Mustafa Soylak

List of Publications by Citations

620 papers	26,277 citations	91 h-index	124 g-index
637 ext. papers	28,501 ext. citations	5 avg, IF	7.71 L-index

#	Paper	IF	Citations
620	Solid phase extraction of heavy metal ions in environmental samples on multiwalled carbon nanotubes. *Journal of Hazardous Materials*, **2008**, 152, 632-9	12.8	380
619	Equilibrium, kinetic and thermodynamic studies of adsorption of Pb(II) from aqueous solution onto Turkish kaolinite clay. *Journal of Hazardous Materials*, **2007**, 149, 283-91	12.8	314
618	Multiwalled carbon nanotubes for speciation of chromium in environmental samples. *Journal of Hazardous Materials*, **2007**, 147, 219-25	12.8	304
617	Removal of phenol from aqueous solutions by adsorption onto organomodified Tirebolu bentonite: equilibrium, kinetic and thermodynamic study. *Journal of Hazardous Materials*, **2009**, 172, 353-62	12.8	263
616	Preconcentration of some trace elements via using multiwalled carbon nanotubes as solid phase extraction adsorbent. *Journal of Hazardous Materials*, **2009**, 169, 466-71	12.8	255
615	Cloud point extraction and flame atomic absorption spectrometric determination of cadmium(II), lead(II), palladium(II) and silver(I) in environmental samples. *Journal of Hazardous Materials*, **2009**, 168, 1022-7	12.8	243
614	Modeling of quaternary dyes adsorption onto ZnO□RAC artificial neural network: Analysis by derivative spectrophotometry. *Journal of Industrial and Engineering Chemistry*, **2016**, 34, 186-197	6.3	230
613	Biosorption of Pb(II) and Cr(III) from aqueous solution by lichen (Parmelina tiliaceae) biomass. *Bioresource Technology*, **2008**, 99, 2972-80	11	219
612	Biosorption of Cd(II) and Cr(III) from aqueous solution by moss (Hylocomium splendens) biomass: Equilibrium, kinetic and thermodynamic studies. *Chemical Engineering Journal*, **2008**, 144, 1-9	14.7	215
611	Pseudomonas aeruginosa immobilized multiwalled carbon nanotubes as biosorbent for heavy metal ions. *Bioresource Technology*, **2008**, 99, 1563-70	11	212
610	Adsorption of Pb(II) and Cr(III) from aqueous solution on Celtek clay. *Journal of Hazardous Materials* , **2007**, 144, 41-6	12.8	209
609	Adsorption characteristics of Cu(II) and Pb(II) onto expanded perlite from aqueous solution. *Journal of Hazardous Materials*, **2007**, 148, 387-94	12.8	208
608	Determination of trace metal ions by AAS in natural water samples after preconcentration of pyrocatechol violet complexes on an activated carbon column. *Talanta*, **2000**, 52, 1041-6	6.2	189
607	Biosorption of Pb(II) and Ni(II) from aqueous solution by lichen (Cladonia furcata) biomass. *Biochemical Engineering Journal*, **2007**, 37, 151-158	4.2	182
606	The determination of some heavy metals in food samples by flame atomic absorption spectrometry after their separation-preconcentration on bis salicyl aldehyde, 1,3 propan diimine (BSPDI) loaded on activated carbon. *Journal of Hazardous Materials*, **2008**, 154, 128-34	12.8	171
605	Trace metal content in nine species of fish from the Black and Aegean Seas, Turkey. *Food Chemistry*, **2007**, 104, 835-840	8.5	167
604	Preconcentration and separation of nickel, copper and cobalt using solid phase extraction and their determination in some real samples. *Journal of Hazardous Materials*, **2007**, 147, 226-31	12.8	166

603	Trace element levels in honeys from different regions of Turkey. *Food Chemistry*, **2007**, 103, 325-330	8.5	165
602	Multi-element pre-concentration of heavy metal ions by solid phase extraction on Chromosorb 108. *Analytica Chimica Acta*, **2005**, 548, 101-108	6.6	162
601	Biosorption of palladium(II) from aqueous solution by moss (Racomitrium lanuginosum) biomass: equilibrium, kinetic and thermodynamic studies. *Journal of Hazardous Materials*, **2009**, 162, 874-9	12.8	157
600	Determination of rhodamine B in soft drink, waste water and lipstick samples after solid phase extraction. *Food and Chemical Toxicology*, **2011**, 49, 1796-9	4.7	154
599	Separation, preconcentration and inductively coupled plasma-mass spectrometric (ICP-MS) determination of thorium(IV), titanium(IV), iron(III), lead(II) and chromium(III) on 2-nitroso-1-naphthol impregnated MCI GEL CHP20P resin. *Journal of Hazardous Materials*, **2010**, 173, 669-74	12.8	154
598	Solid-phase extraction of Mn(II), Co(II), Ni(II), Cu(II), Cd(II) and Pb(II) ions from environmental samples by flame atomic absorption spectrometry (FAAS). *Journal of Hazardous Materials*, **2007**, 146, 347-55	12.8	154
597	Mercury(II) and methyl mercury determinations in water and fish samples by using solid phase extraction and cold vapour atomic absorption spectrometry combination. *Food and Chemical Toxicology*, **2009**, 47, 1648-52	4.7	149
596	Cloud point extraction for the determination of copper, nickel and cobalt ions in environmental samples by flame atomic absorption spectrometry. *Journal of Hazardous Materials*, **2008**, 150, 533-40	12.8	149
595	A novel multi-element coprecipitation technique for separation and enrichment of metal ions in environmental samples. *Talanta*, **2007**, 73, 134-41	6.2	148
594	Investigation of heavy metal mobility and availability by the BCR sequential extraction procedure: relationship between soil properties and heavy metals availability. *Chemical Speciation and Bioavailability*, **2014**, 26, 219-230		147
593	Adsorption of Phenol from Aqueous Solution on a Low-Cost Activated Carbon Produced from Tea Industry Waste: Equilibrium, Kinetic, and Thermodynamic Study. *Journal of Chemical & Engineering Data*, **2012**, 57, 2733-2743	2.8	147
592	Solid phase extraction and preconcentration of uranium(VI) and thorium(IV) on Duolite XAD761 prior to their inductively coupled plasma mass spectrometric determination. *Talanta*, **2007**, 72, 187-92	6.2	145
591	A novel acorn based adsorbent for the removal of brilliant green. *Desalination*, **2011**, 281, 226-233	10.3	135
590	Trace element levels of mushroom species from East Black Sea region of Turkey. *Food Control*, **2007**, 18, 806-810	6.2	133
589	Magnetic nanoparticle based dispersive micro-solid-phase extraction for the determination of malachite green in water samples: optimized experimental design. *New Journal of Chemistry*, **2015**, 39, 9813-9823	3.6	132
588	Removal of Pb(II) ions from aqueous solution by a waste mud from copper mine industry: equilibrium, kinetic and thermodynamic study. *Journal of Hazardous Materials*, **2009**, 166, 1480-7	12.8	132
587	Novel solid phase extraction procedure for gold(III) on Dowex M 4195 prior to its flame atomic absorption spectrometric determination. *Journal of Hazardous Materials*, **2008**, 156, 591-5	12.8	132
586	Preconcentration of Pb(II), Cr(III), Cu(II), Ni(II) and Cd(II) ions in environmental samples by membrane filtration prior to their flame atomic absorption spectrometric determinations. *Journal of Hazardous Materials*, **2007**, 145, 459-64	12.8	130

585	Arsenic speciation in natural water samples by coprecipitation-hydride generation atomic absorption spectrometry combination. *Talanta*, **2009**, 78, 52-6	6.2	129
584	Determination of trace metals in canned fish marketed in Turkey. *Food Chemistry*, **2007**, 101, 1378-1382	8.5	129
583	Column solid phase extraction of iron(III), copper(II), manganese(II) and lead(II) ions food and water samples on multi-walled carbon nanotubes. *Food and Chemical Toxicology*, **2010**, 48, 2401-6	4.7	127
582	Characterization of biosorption process of As(III) on green algae Ulothrix cylindricum. *Journal of Hazardous Materials*, **2009**, 165, 566-72	12.8	127
581	Biosorptive removal of mercury(II) from aqueous solution using lichen (Xanthoparmelia conspersa) biomass: kinetic and equilibrium studies. *Journal of Hazardous Materials*, **2009**, 169, 263-70	12.8	127
580	Flame atomic absorption spectrometric determination of cadmium(II) and lead(II) after their solid phase extraction as dibenzyldithiocarbamate chelates on Dowex Optipore V-493. *Analytica Chimica Acta*, **2006**, 578, 213-9	6.6	126
579	Aluminium determination in environmental samples by graphite furnace atomic absorption spectrometry after solid phase extraction on Amberlite XAD-1180/pyrocatechol violet chelating resin. *Talanta*, **2004**, 63, 411-8	6.2	126
578	A novel solid phase extraction procedure on Amberlite XAD-1180 for speciation of Cr(III), Cr(VI) and total chromium in environmental and pharmaceutical samples. *Journal of Hazardous Materials*, **2008** , 150, 453-8	12.8	125
577	Coprecipitation of gold(III), palladium(II) and lead(II) for their flame atomic absorption spectrometric determinations. *Journal of Hazardous Materials*, **2008**, 152, 656-61	12.8	125
576	Chromium speciation in environmental samples by solid phase extraction on Chromosorb 108. *Journal of Hazardous Materials*, **2006**, 129, 266-73	12.8	125
575	Ultrasound assisted-deep eutectic solvent based on emulsification liquid phase microextraction combined with microsample injection flame atomic absorption spectrometry for valence speciation of chromium(III/VI) in environmental samples. *Talanta*, **2016**, 160, 680-685	6.2	125
574	Solid phase extraction of Cd(II), Pb(II), Zn(II) and Ni(II) from food samples using multiwalled carbon nanotubes impregnated with 4-(2-thiazolylazo)resorcinol. *Mikrochimica Acta*, **2012**, 177, 397-403	5.8	124
573	Biosorption of Pb(II) ions from aqueous solution by pine bark (Pinus brutia Ten.). *Chemical Engineering Journal*, **2009**, 153, 62-69	14.7	124
572	Ionic liquid dispersive liquid–liquid microextraction of lead as pyrrolidinedithiocarbamate chelate prior to its flame atomic absorption spectrometric determination. *Desalination*, **2011**, 275, 297-301	10.3	124
571	Poly(vinyl pyridine-poly ethylene glycol methacrylate-ethylene glycol dimethacrylate) beads for heavy metal removal. *Journal of Hazardous Materials*, **2008**, 155, 114-20	12.8	124
570	Copper(II)-rubeanic acid coprecipitation system for separation-preconcentration of trace metal ions in environmental samples for their flame atomic absorption spectrometric determinations. *Journal of Hazardous Materials*, **2006**, 137, 1035-41	12.8	124
569	Chromium speciation by solid phase extraction on Dowex M 4195 chelating resin and determination by atomic absorption spectrometry. *Journal of Hazardous Materials*, **2008**, 153, 1009-14	12.8	121
568	Ionic liquid-linked dual magnetic microextraction of lead(II) from environmental samples prior to its micro-sampling flame atomic absorption spectrometric determination. *Talanta*, **2013**, 116, 882-6	6.2	120

567	Determination of trace metals in different fish species and sediments from the River Yeşilırmak in Tokat, Turkey. *Food and Chemical Toxicology*, **2010**, 48, 1383-92	4.7	119
566	Coprecipitation of heavy metals with erbium hydroxide for their flame atomic absorption spectrometric determinations in environmental samples. *Talanta*, **2005**, 66, 1098-102	6.2	114
565	Vortex assisted deep eutectic solvent (DES)-emulsification liquid-liquid microextraction of trace curcumin in food and herbal tea samples. *Food Chemistry*, **2018**, 243, 442-447	8.5	113
564	Enrichment and determinations of nickel(II), cadmium(II), copper(II), cobalt(II) and lead(II) ions in natural waters, table salts, tea and urine samples as pyrrolydine dithiocarbamate chelates by membrane filtration–flame atomic absorption spectrometry combination. *Analytica Chimica Acta*, 2008, 493, 205-212	6.6	113
563	Utilization of membrane filtration for preconcentration and determination of Cu(II) and Pb(II) in food, water and geological samples by atomic absorption spectrometry. *Food and Chemical Toxicology*, **2010**, 48, 517-21	4.7	112
562	Seasonal investigation of trace element contents in commercially valuable fish species from the Black sea, Turkey. *Food and Chemical Toxicology*, **2010**, 48, 865-70	4.7	112
561	Determination of trace metals in mushroom samples from Kayseri, Turkey. *Food Chemistry*, **2005**, 92, 649-652	8.5	112
560	Flame atomic absorption spectrometric determination of copper, zinc and manganese after solid-phase extraction using 2,6-dichlorophenyl-3,3-bis(indolyl)methane loaded on Amberlite XAD-16. *Food and Chemical Toxicology*, **2010**, 48, 891-7	4.7	111
559	Flame atomic absorption spectrometric determination of zinc, nickel, iron and lead in different matrixes after solid phase extraction on sodium dodecyl sulfate (SDS)-coated alumina as their bis (2-hydroxyacetophenone)-1, 3-propanediimine chelates. *Journal of Hazardous Materials*, **2009**, 166, 1441-8	12.8	110
558	Ligandless cloud point extraction of Cr(III), Pb(II), Cu(II), Ni(II), Bi(III), and Cd(II) ions in environmental samples with Tween 80 and flame atomic absorption spectrometric determination. *Talanta*, **2008**, 77, 289-93	6.2	110
557	Assessment of trace element contents of chicken products from Turkey. *Journal of Hazardous Materials*, **2009**, 163, 982-7	12.8	109
556	Preparation and characterization of magnetic allylamine modified graphene oxide-poly(vinyl acetate-co-divinylbenzene) nanocomposite for vortex assisted magnetic solid phase extraction of some metal ions. *Talanta*, **2016**, 146, 130-7	6.2	107
555	Investigation of the levels of some element in edible oil samples produced in Turkey by atomic absorption spectrometry. *Journal of Hazardous Materials*, **2009**, 165, 724-8	12.8	107
554	Selective separation and preconcentration of copper (II) in environmental samples by the solid phase extraction on multi-walled carbon nanotubes. *Journal of Hazardous Materials*, **2009**, 168, 1527-31	12.8	107
553	Flame atomic absorption spectrometric determination of trace amounts of heavy metal ions after solid phase extraction using modified sodium dodecyl sulfate coated on alumina. *Journal of Hazardous Materials*, **2008**, 155, 121-7	12.8	107
552	Factorial design in the optimization of preconcentration procedure for lead determination by FAAS. *Talanta*, **2005**, 65, 895-9	6.2	105
551	A simple and novel deep eutectic solvent based ultrasound-assisted emulsification liquid phase microextraction method for malachite green in farmed and ornamental aquarium fish water samples. *Microchemical Journal*, **2017**, 132, 280-285	4.8	104
550	Three modified activated carbons by different ligands for the solid phase extraction of copper and lead. *Journal of Hazardous Materials*, **2008**, 152, 1248-55	12.8	104

549	Synthesis and application of Fe3O4@SiO2@TiO2 for photocatalytic decomposition of organic matrix simultaneously with magnetic solid phase extraction of heavy metals prior to ICP-MS analysis. *Talanta*, **2016**, 154, 539-47	6.2	103
548	Mercury(II) and methyl mercury speciation on Streptococcus pyogenes loaded Dowex Optipore SD-2. *Journal of Hazardous Materials*, **2009**, 169, 345-50	12.8	102
547	Separation and enrichment of gold(III) from environmental samples prior to its flame atomic absorption spectrometric determination. *Journal of Hazardous Materials*, **2007**, 149, 317-23	12.8	101
546	Spectrophotometric determination of trace levels of allura red in water samples after separation and preconcentration. *Food and Chemical Toxicology*, **2011**, 49, 1183-7	4.7	100
545	Removal of fluoride ions from aqueous solution by waste mud. *Journal of Hazardous Materials*, **2009**, 168, 888-94	12.8	100
544	Cloud point extraction and flame atomic absorption spectrometry combination for copper(II) ion in environmental and biological samples. *Journal of Hazardous Materials*, **2008**, 160, 435-40	12.8	100
543	Preparation of a Chelating Resin by Immobilizing 1-(2-Pyridylazo) 2-Naphtol on Amberlite XAD-16 and Its Application of Solid Phase Extraction of Ni(II), Cd(II), Co(II), Cu(II), Pb(II), and Cr(III) in Natural Water Samples. *Analytical Letters*, **2003**, 36, 641-658	2.2	100
542	Characterization of Heavy Metal Fractions in Agricultural Soils by Sequential Extraction Procedure: The Relationship Between Soil Properties and Heavy Metal Fractions. *Soil and Sediment Contamination*, **2015**, 24, 1-15	3.2	99
541	Physicochemical characteristics of a novel activated carbon produced from tea industry waste. *Journal of Analytical and Applied Pyrolysis*, **2013**, 104, 249-259	6	99
540	Determination of Trace Amounts of Cobalt in Natural Water Samples as 4-(2-Thiazolylazo) Recorcinol Complex After Adsorptive Preconcentration. *Analytical Letters*, **1997**, 30, 623-631	2.2	99
539	A multi-element solid-phase extraction method for trace metals determination in environmental samples on Amberlite XAD-2000. *Journal of Hazardous Materials*, **2007**, 146, 155-63	12.8	97
538	Deep eutectic solvent based ultrasonic assisted liquid phase microextraction for the FAAS determination of cobalt. *Journal of Molecular Liquids*, **2016**, 224, 538-543	6	97
537	Evaluation of various digestion procedures for trace element contents of some food materials. *Journal of Hazardous Materials*, **2008**, 152, 1020-6	12.8	96
536	Trace heavy metal contents of some spices and herbal plants from western Anatolia, Turkey. *International Journal of Food Science and Technology*, **2006**, 41, 712-716	3.8	96
535	Diaion SP-850 resin as a new solid phase extractor for preconcentration-separation of trace metal ions in environmental samples. *Journal of Hazardous Materials*, **2006**, 137, 1496-501	12.8	96
534	A Sorbent Extraction Procedure for the Preconcentration of Gold, Silver and Palladium on an Activated Carbon Column. *Analytical Letters*, **2000**, 33, 513-525	2.2	96
533	A preconcentration system for determination of copper and nickel in water and food samples employing flame atomic absorption spectrometry. *Journal of Hazardous Materials*, **2009**, 162, 1041-5	12.8	95
532	Column solid-phase extraction of nickel and silver in environmental samples prior to their flame atomic absorption spectrometric determinations. *Journal of Hazardous Materials*, **2009**, 164, 1428-32	12.8	93

531	Separation/preconcentration of trace heavy metals in urine, sediment and dialysis concentrates by coprecipitation with samarium hydroxide for atomic absorption spectrometry. *Talanta*, **2003**, 59, 287-93	6.2	91
530	SPECIATION OF Cr(III) AND Cr(VI) IN TANNERY WASTEWATER AND SEDIMENT SAMPLES ON AMBERSORB 563 RESIN*. *Analytical Letters*, **2002**, 35, 1437-1452	2.2	91
529	Multi-element coprecipitation for separation and enrichment of heavy metal ions for their flame atomic absorption spectrometric determinations. *Journal of Hazardous Materials*, **2009**, 162, 724-9	12.8	89
528	Optimization of microwave assisted digestion procedure for the determination of zinc, copper and nickel in tea samples employing flame atomic absorption spectrometry. *Journal of Hazardous Materials*, **2007**, 149, 264-8	12.8	88
527	The uses of 1-(2-pyridylazo) 2-naphtol (PAN) impregnated Ambersorb 563 resin on the solid phase extraction of traces heavy metal ions and their determinations by atomic absorption spectrometry. *Talanta*, **2003**, 60, 215-21	6.2	88
526	Enrichment/separation of cadmium(II) and lead(II) in environmental samples by solid phase extraction. *Journal of Hazardous Materials*, **2005**, 121, 79-87	12.8	88
525	Spectrophotometric determination of molybdenum in steel samples utilizing selective sorbent extraction on Amberlite XAD-8 resin. *Analytica Chimica Acta*, **1996**, 322, 111-115	6.6	86
524	Removal of Cd(II) and Pb(II) from aqueous solution using dried water hyacinth as a biosorbent. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 96, 413-20	4.4	85
523	Separation and speciation of selenium in food and water samples by the combination of magnesium hydroxide coprecipitation-graphite furnace atomic absorption spectrometric determination. *Talanta*, **2007**, 71, 424-9	6.2	85
522	Solid Phase Extraction of Cu(II), Pb(II), Fe(III), Co(II), and Cr(III) on Chelex-100 Column Prior to Their Flame Atomic Absorption Spectrometric Determinations. *Analytical Letters*, **2004**, 37, 1203-1217	2.2	85
521	SEPARATION AND ENRICHMENT OF CHROMIUM, COPPER, NICKEL AND LEAD IN SURFACE SEAWATER SAMPLES ON A COLUMN FILLED WITH AMBERLITE XAD-2000. *Analytical Letters*, **2001**, 34, 1935-1947	2.2	85
520	Preconcentration and separation with Amberlite XAD-4 resin; determination of Cu, Fe, Pb, Ni, Cd and Bi at trace levels in waste water samples by flame atomic absorption spectrometry. *Talanta*, **2001**, 54, 197-202	6.2	85
519	Determination of As(III) and As(V) species in some natural water and food samples by solid-phase extraction on Streptococcus pyogenes immobilized on Sepabeads SP 70 and hydride generation atomic absorption spectrometry. *Food and Chemical Toxicology*, **2010**, 48, 1393-8	4.7	83
518	Trace Enrichment and Atomic Absorption Spectrometric Determination of Lead, Copper, Cadmium and Nickel in Drinking Water Samples by Use of an Activated Carbon Column. *Analytical Letters*, **1997**, 30, 2801-2810	2.2	83
517	Separation/preconcentration of silver(I) and lead(II) in environmental samples on cellulose nitrate membrane filter prior to their flame atomic absorption spectrometric determinations. *Journal of Hazardous Materials*, **2007**, 146, 142-7	12.8	82
516	Determination of trace element contents of baby foods from Turkey. *Food Chemistry*, **2007**, 105, 280-285	8.5	81
515	SOLID PHASE EXTRACTION OF TRACE METAL IONS WITH AMBERLITE XAD RESINS PRIOR TO ATOMIC ABSORPTION SPECTROMETRIC ANALYSIS. *Instrumentation Science and Technology*, **2001**, 19, 329-344		81
514	Central composite design and genetic algorithm applied for the optimization of ultrasonic-assisted removal of malachite green by ZnO Nanorod-loaded activated carbon. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2016**, 167, 157-164	4.4	81

513	Preconcentration of Cr(III), Co(II), Cu(II), Fe(III) and Pb(II) as calmagite chelates on cellulose nitrate membrane filter prior to their flame atomic absorption spectrometric determinations. *Talanta*, **2002**, 56, 565-70	6.2	79
512	Biosorption of copper(II), lead(II), iron(III) and cobalt(II) on Bacillus sphaericus-loaded Diaion SP-850 resin. *Analytica Chimica Acta*, **2007**, 581, 241-6	6.6	78
511	Evaluation of trace metal contents of some wild edible mushrooms from Black sea region, Turkey. *Journal of Hazardous Materials*, **2008**, 160, 462-7	12.8	78
510	Determination of trace impurities in some nickel compounds by flame atomic absorption spectrometry after solid phase extraction using Amberlite XAD-16 resin. *Freseniusi Journal of Analytical Chemistry*, **2000**, 368, 358-361		78
509	Mercury contamination in mushroom samples from Tokat, Turkey. *Bulletin of Environmental Contamination and Toxicology*, **2005**, 74, 968-72	2.7	77
508	Column Preconcentration of Trace Amounts of Copper on Activated Carbon from Natural Water Samples. *Analytical Letters*, **1996**, 29, 635-643	2.2	77
507	Selective speciation and determination of inorganic arsenic in water, food and biological samples. *Food and Chemical Toxicology*, **2010**, 48, 41-6	4.7	76
506	Solid-phase extraction and determination of trace amount of some metal ions on Duolite XAD 761 modified with a new Schiff base as chelating agent in some food samples. *Food and Chemical Toxicology*, **2011**, 49, 208-14	4.7	74
505	Solid phase extraction method for the determination of iron, lead and chromium by atomic absorption spectrometry using Amberite XAD-2000 column in various water samples. *Journal of Hazardous Materials*, **2008**, 153, 454-61	12.8	74
504	Temperature controlled ionic liquid-dispersive liquid phase microextraction for determination of trace lead level in blood samples prior to analysis by flame atomic absorption spectrometry with multivariate optimization. *Microchemical Journal*, **2012**, 101, 5-10	4.8	73
503	Biosorption of heavy metals on Aspergillus fumigatus immobilized Diaion HP-2MG resin for their atomic absorption spectrometric determinations. *Talanta*, **2006**, 70, 1129-35	6.2	70
502	Preconcentration of trace metals in river waters by the application of chelate adsorption on Amberlite XAD-4. *Freseniusi Journal of Analytical Chemistry*, **1992**, 342, 175-178		70
501	Switchable solvent-based liquid phase microextraction of copper(II): optimization and application to environmental samples. *Journal of Analytical Atomic Spectrometry*, **2015**, 30, 1629-1635	3.7	69
500	Speciation of selenium(IV) and selenium(VI) in environmental samples by the combination of graphite furnace atomic absorption spectrometric determination and solid phase extraction on Diaion HP-2MG. *Talanta*, **2007**, 71, 1375-81	6.2	69
499	Polypyrrole/multi-walled carbon nanotube composite for the solid phase extraction of lead(II) in water samples. *Talanta*, **2014**, 119, 447-51	6.2	68
498	Preconcentration and Separation of Trace Metal Ions From Sea Water Samples by Sorption on Amberlite XAD-16 After Complexation with Sodium Diethyl Dithiocarbamate. *International Journal of Environmental Analytical Chemistry*, **1997**, 66, 51-59	1.8	68
497	Comparison between dispersive liquid–liquid microextraction and ultrasound-assisted nanoparticles-dispersive solid-phase microextraction combined with microvolume spectrophotometry method for the determination of Auramine-O in water samples. *RSC Advances*, **2015**, 5, 39084-39096	3.7	67
496	Assessment of trace element levels in Rhododendron honeys of Black Sea Region, Turkey. *Journal of Hazardous Materials*, **2008**, 156, 612-8	12.8	67

495	Celtek clay as sorbent for separation-preconcentration of metal ions from environmental samples. *Journal of Hazardous Materials*, **2006**, 136, 597-603	12.8	67
494	Microwave and Wet Digestion Procedures for Atomic Absorption Spectrometric Determination of Trace Metals Contents of Sediment Samples. *Analytical Letters*, **2004**, 37, 1925-1936	2.2	67
493	Ligandless ultrasonic-assisted and ionic liquid-based dispersive liquid-liquid microextraction of copper, nickel and lead in different food samples. *Food Chemistry*, **2015**, 167, 433-7	8.5	66
492	Simultaneous preconcentration of Co(II), Ni(II), Cu(II), and Cd(II) from environmental samples on Amberlite XAD-2000 column and determination by FAAS. *Journal of Hazardous Materials*, **2009**, 162, 292-9	12.8	66
491	Switchable polarity solvent for liquid phase microextraction of Cd(II) as pyrrolidinedithiocarbamate chelates from environmental samples. *Analytica Chimica Acta*, **2015**, 886, 75-82	6.6	64
490	Preconcentration-separation of Co2+, Ni2+, Cu2+ and Cd2+ in real samples by solid phase extraction of a calix[4] resorcinarene modified Amberlite XAD-16 resin. *Journal of Hazardous Materials*, **2009**, 172, 802-8	12.8	64
489	Rapid ionic liquid-based ultrasound assisted dual magnetic microextraction to preconcentrate and separate cadmium-4-(2-thiazolylazo)-resorcinol complex from environmental and biological samples. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 123, 194-9	4.4	63
488	Development a novel supramolecular solvent microextraction procedure for copper in environmental samples and its determination by microsampling flame atomic absorption spectrometry. *Talanta*, **2014**, 126, 191-5	6.2	62
487	Evaluation of trace element contents of dried apricot samples from Turkey. *Journal of Hazardous Materials*, **2009**, 167, 647-52	12.8	62
486	Speciation of Cr(III) and Cr(VI) after column solid phase extraction on Amberlite XAD-2010. *Journal of Hazardous Materials*, **2007**, 143, 112-7	12.8	62
485	A pre-concentration procedure using coprecipitation for determination of lead and iron in several samples using flame atomic absorption spectrometry. *Analytica Chimica Acta*, **2006**, 575, 133-7	6.6	62
484	Deep eutectic solvent microextraction of lead(II), cobalt(II), nickel(II) and manganese(II) ions for the separation and preconcentration in some oil samples from Turkey prior to their microsampling flame atomic absorption spectrometric determination. *Microchemical Journal*, **2019**, 147, 832-837	4.8	61
483	Determination of some heavy metals in food and environmental samples by flame atomic absorption spectrometry after coprecipitation. *Food and Chemical Toxicology*, **2011**, 49, 1242-8	4.7	61
482	Chromium and iron determinations in food and herbal plant samples by atomic absorption spectrometry after solid phase extraction on single-walled carbon nanotubes (SWCNTs) disk. *Food and Chemical Toxicology*, **2010**, 48, 1511-5	4.7	61
481	Simultaneous coprecipitation of lead, cobalt, copper, cadmium, iron and nickel in food samples with zirconium(IV) hydroxide prior to their flame atomic absorption spectrometric determination. *Food and Chemical Toxicology*, **2009**, 47, 2302-7	4.7	61
480	Activated carbon and multiwalled carbon nanotubes as efficient adsorbents for removal of arsenazo(I) and methyl red from waste water. *Toxicological and Environmental Chemistry*, **2011**, 93, 438-449	1.4	61
479	Switchable solvent based green liquid phase microextraction method for cobalt in tobacco and food samples prior to flame atomic absorption spectrometric determination. *Journal of Molecular Liquids*, **2017**, 229, 459-464	6	60
478	Molecularly imprinted polymer based quartz crystal microbalance sensor system for sensitive and label-free detection of synthetic cannabinoids in urine. *Biosensors and Bioelectronics*, **2018**, 111, 10-17	11.8	60

477	Coprecipitation of trace elements with Ni2+/2-Nitroso-1-naphthol-4-sulfonic acid and their determination by flame atomic absorption spectrometry. *Journal of Hazardous Materials*, **2010**, 176, 1032-7	12.8	60
476	Development of a coprecipitation system for the speciation/preconcentration of chromium in tap waters. *Journal of Hazardous Materials*, **2010**, 173, 433-7	12.8	60
475	Bovine serum albumin-Cu(II) hybrid nanoflowers: An effective adsorbent for solid phase extraction and slurry sampling flame atomic absorption spectrometric analysis of cadmium and lead in water, hair, food and cigarette samples. *Analytica Chimica Acta*, **2016**, 906, 110-117	6.6	59
474	Ultrasound assisted-deep eutectic solvent extraction of iron from sheep, bovine and chicken liver samples. *Talanta*, **2015**, 136, 170-3	6.2	59
473	Polyhydroxybutyrate-b-polyethyleneglycol block copolymer for the solid phase extraction of lead and copper in water, baby foods, tea and coffee samples. *Food Chemistry*, **2014**, 152, 75-80	8.5	58
472	Activated carbon from waste as an efficient adsorbent for malathion for detection and removal purposes. *Journal of Industrial and Engineering Chemistry*, **2015**, 32, 336-344	6.3	57
471	Cloud point extraction procedure for flame atomic absorption spectrometric determination of lead(II) in sediment and water samples. *Mikrochimica Acta*, **2007**, 157, 193-199	5.8	57
470	Solid phase extraction of metal ions in environmental samples on 1-(2-pyridylazo)-2-naphthol impregnated activated carbon cloth. *Ecotoxicology and Environmental Safety*, **2015**, 112, 74-9	7	56
469	Silica chemically bonded N-propyl kriptofix 21 and 22 with immobilized palladium nanoparticles for solid phase extraction and preconcentration of some metal ions. *Materials Science and Engineering C*, **2013**, 33, 3180-9	8.3	56
468	Evaluation of trace element contents in canned foods marketed from Turkey. *Food Chemistry*, **2007**, 102, 1089-1095	8.5	56
467	Column system using diaion HP-2MG for determination of some metal ions by flame atomic absorption spectrometry. *Analytica Chimica Acta*, **2004**, 504, 325-334	6.6	56
466	Determinations of Some Trace Metals in Dialysis Solutions by Atomic Absorption Spectrometry After Preconcentration. *Analytical Letters*, **1993**, 26, 1997-2007	2.2	56
465	Preparation and characterization of magnetic carboxylated nanodiamonds for vortex-assisted magnetic solid-phase extraction of ziram in food and water samples. *Talanta*, **2016**, 158, 152-158	6.2	56
464	Simultaneous preconcentrations of Co(2+), Cr(6+), Hg(2+) and Pb(2+) ions by Bacillus altitudinis immobilized nanodiamond prior to their determinations in food samples by ICP-OES. *Food Chemistry*, **2017**, 215, 447-53	8.5	55
463	Carrier element-free coprecipitation (CEFC) method for the separation, preconcentration and speciation of chromium using an isatin derivative. *Analytica Chimica Acta*, **2009**, 632, 35-41	6.6	54
462	Heavy metals in black tea samples produced in Turkey. *Bulletin of Environmental Contamination and Toxicology*, **2004**, 72, 844-9	2.7	54
461	Determination of trace amounts of hexavalent chromium in drinking waters by dispersive microsolid-phase extraction using modified multiwalled carbon nanotubes combined with total reflection X-ray fluorescence spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2015**, 107, 170-177	3.1	53
460	Separation of gold, palladium and platinum from metallurgical samples using an amberlite XAD-7 resin column prior to their atomic absorption spectrometric determinations. *Analytical Sciences*, **2003**, 19, 1621-4	1.7	53

459	Speciation analysis of inorganic Sb(III) and Sb(V) ions by using mini column filled with Amberlite XAD-8 resin. *Analytica Chimica Acta*, **2004**, 505, 37-41	6.6	53
458	Determination of copper, lead and iron in water and food samples after column solid phase extraction using 1-phenylthiosemicarbazide on Dowex Optipore L-493 resin. *Food and Chemical Toxicology*, **2011**, 49, 458-63	4.7	52
457	Speciation of Mn(II), Mn(VII) and total manganese in water and food samples by coprecipitation-atomic absorption spectrometry combination. *Journal of Hazardous Materials*, **2010**, 173, 773-7	12.8	52
456	Dysprosium(III) hydroxide coprecipitation system for the separation and preconcentration of heavy metal contents of table salts and natural waters. *Journal of Hazardous Materials*, **2007**, 143, 555-60	12.8	52
455	Multivariate analysis of heavy metal contents of sediments from Gumusler creek, Nigde, Turkey. *Environmental Geology*, **2008**, 54, 1155-1163		52
454	Carbon-coated Fe3O4 nanoparticles with surface amido groups for magnetic solid phase extraction of Cr(III), Co(II), Cd(II), Zn(II) and Pb(II) prior to their quantitation by ICP-MS. *Mikrochimica Acta*, **2017** , 184, 2645-2651	5.8	51
453	Pressure-assisted ionic liquid dispersive microextraction of vanadium coupled with electrothermal atomic absorption spectrometry. *Journal of Analytical Atomic Spectrometry*, **2013**, 28, 1441	3.7	50
452	Chemically bonded multiwalled carbon nanotubes as efficient material for solid phase extraction of some metal ions in food samples. *International Journal of Environmental Analytical Chemistry*, **2013**, 93, 528-542	1.8	50
451	Solid phase extraction method for selective determination of Pb(II) in water samples using 4-(4-methoxybenzylidenimine) thiophenole. *Journal of Hazardous Materials*, **2007**, 142, 368-73	12.8	50
450	Magnetic solid phase extraction of trace paracetamol and caffeine in synthetic urine and wastewater samples by a using core shell hybrid material consisting of graphene oxide/multiwalled carbon nanotube/Fe3O4/SiO2. *Microchemical Journal*, **2019**, 145, 843-851	4.8	50
449	Copper(II)-8-hydroxquinoline coprecipitation system for preconcentration and separation of cobalt(II) and manganese(II) in real samples. *Journal of Hazardous Materials*, **2007**, 147, 832-7	12.8	49
448	A solid phase extraction procedure for indium prior to its graphite furnace atomic absorption spectrometric determination. *Journal of Hazardous Materials*, **2006**, 129, 179-85	12.8	49
447	Magnetic solid phase extraction of lead(II) and cadmium(II) on a magnetic phosphorus-containing polymer (M-PhCP) for their microsampling flame atomic absorption spectrometric determinations. *RSC Advances*, **2015**, 5, 33801-33808	3.7	48
446	Flame atomic absorption spectrometric (FAAS) determination of copper, iron and zinc in food samples after solid-phase extraction on Schiff base-modified duolite XAD 761. *Materials Science and Engineering C*, **2013**, 33, 2338-44	8.3	48
445	Latest trends, green aspects, and innovations in liquid-phase--based microextraction techniques: a review. *Turkish Journal of Chemistry*, **2016**, 40, 868-893	1	48
444	Activated carbon cloth filled pipette tip for solid phase extraction of nickel(II), lead(II), cadmium(II), copper(II) and cobalt(II) as 1,3,4-thiadiazole-2,5-dithiol chelates for ultra-trace detection by FAAS. *International Journal of Environmental Analytical Chemistry*, **2018**, 98, 171-181	1.8	47
443	Supramolecular solvent-based dispersive liquid–liquid microextraction of copper from water and hair samples. *RSC Advances*, **2015**, 5, 40422-40428	3.7	47
442	Preconcentration and separation of trace amount of heavy metal ions on bis(2-hydroxy acetophenone)ethylendiimine loaded on activated carbon. *Journal of Hazardous Materials*, **2009**, 162, 1408-14	12.8	47

441	Speciation and separation of Cr(VI) and Cr(III) using coprecipitation with Ni2+/2-Nitroso-1-naphthol-4-sulfonic acid and determination by FAAS in water and food samples. *Food and Chemical Toxicology*, **2009**, 47, 2601-5	4.7	47
440	Kinetic and equilibrium study of Alizarin Red S removal by activated carbon. *Toxicological and Environmental Chemistry*, **2012**, 94, 40-48	1.4	47
439	Preconcentration, separation and spectrophotometric determination of aluminium(III) in water samples and dialysis concentrates at trace levels with 8-hydroxyquinoline-cobalt(II) coprecipitation system. *Journal of Hazardous Materials*, **2010**, 182, 331-6	12.8	47
438	Coprecipitation of Cu(II), Ni(II), Fe(III), Cd(II), Pb(II), and Co(II) in Wastewater, Sediment, and Metallic Zinc Samples with HMDTCHMA for Flame Atomic Absorption Spectrometric Determination. *Analytical Letters*, **2003**, 36, 987-999	2.2	47
437	Nanodiamond/MoS2 nanorod composite as a novel sorbent for fast and effective vortex-assisted micro solid phase extraction of lead(II) and copper(II) for their flame atomic absorption spectrometric detection. *Journal of Molecular Liquids*, **2017**, 234, 260-267	6	46
436	Application of deep eutectic solvent in ultrasound-assisted emulsification microextraction of quercetin from some fruits and vegetables. *Journal of Molecular Liquids*, **2019**, 279, 571-577	6	46
435	A magnetic MoS2-Fe3O4 nanocomposite as an effective adsorbent for dispersive solid-phase microextraction of lead(II) and copper(II) prior to their determination by FAAS. *Mikrochimica Acta*, **2017**, 184, 3969-3976	5.8	46
434	Ligandless surfactant mediated solid phase extraction combined with Fe□□ nano-particle for the preconcentration and determination of cadmium and lead in water and soil samples followed by flame atomic absorption spectrometry: multivariate strategy. *Ecotoxicology and Environmental Safety*, **2014**, 102, 174-8	7	46
433	Development of a selective and sensitive flotation method for determination of trace amounts of cobalt, nickel, copper and iron in environmental samples. *Journal of Hazardous Materials*, **2008**, 151, 26-32	12.8	46
432	A biosorption system for metal ions on Penicillium italicum-loaded on Sepabeads SP 70 prior to flame atomic absorption spectrometric determinations. *Journal of Hazardous Materials*, **2008**, 152, 1171-8	12.8	46
431	Cr(VI) and Cr(III) speciation on Bacillus sphaericus loaded diaion SP-850 resin. *Journal of Hazardous Materials*, **2007**, 144, 549-55	12.8	45
430	SP70-alpha-benzoin oxime chelating resin for preconcentration-separation of Pb(II), Cd(II), Co(II) and Cr(III) in environmental samples. *Journal of Hazardous Materials*, **2007**, 145, 113-9	12.8	45
429	Biosorption of aluminum on Pseudomonas aeruginosa loaded on Chromosorb 106 prior to its graphite furnace atomic absorption spectrometric determination. *Journal of Hazardous Materials*, **2008**, 154, 519-25	12.8	45
428	Speciation of Cr(III) and Cr(VI) in environmental samples by solid phase extraction on Ambersorb 563 resin. *Journal of Hazardous Materials*, **2006**, 136, 579-84	12.8	45
427	SEPARATION/PRECONCENTRATION OF Cu(II), Fe(III), Pb(II), Co(II), AND Cr(III) IN AQUEOUS SAMPLES ON CELLULOSE NITRATE MEMBRANE FILTER AND THEIR DETERMINATION BY ATOMIC ABSORPTION SPECTROMETRY. *Analytical Letters*, **2002**, 35, 1561-1574	2.2	45
426	Vortex assisted magnetic solid phase extraction of lead(II) and cobalt(II) on silica coated magnetic multiwalled carbon nanotubes impregnated with 1-(2-pyridylazo)-2-naphthol. *Journal of Molecular Liquids*, **2016**, 224, 639-647	6	45
425	Determination of heavy metals in sediments of the Ergene River by BCR sequential extraction method. *Environmental Earth Sciences*, **2014**, 72, 3293-3305	2.9	43
424	Graphite furnace atomic absorption spectrometric detection of vanadium in water and food samples after solid phase extraction on multiwalled carbon nanotubes. *Talanta*, **2013**, 116, 205-9	6.2	43

423	Evaluation of trace heavy metal levels of some fish species sold at retail in Kayseri, Turkey. *Environmental Monitoring and Assessment*, **2009**, 149, 223-8	3.1	43
422	Solid phase extraction of gold(III) on Amberlite XAD-2000 prior to its flame atomic absorption spectrometric determination. *Environmental Monitoring and Assessment*, **2007**, 132, 331-8	3.1	43
421	A new magnetic nanodiamond/graphene oxide hybrid (FeO@ND@GO) material for pre-concentration and sensitive determination of sildenafil in alleged herbal aphrodisiacs by HPLC-DAD system. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2018**, 1084, 113-121	3.2	42
420	A novel and simple deep eutectic solvent based liquid phase microextraction method for rhodamine B in cosmetic products and water samples prior to its spectrophotometric determination. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 202, 81-86	4.4	42
419	Separation and preconcentration of lead, chromium and copper by using with the combination coprecipitation-flame atomic absorption spectrometric determination. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 1030-1034	6.3	42
418	Cloud Point Extraction of Copper, Zinc, Iron and Nickel in Biological and Environmental Samples by Flame Atomic Absorption Spectrometry. *Separation Science and Technology*, **2009**, 44, 773-786	2.5	42
417	Switchable solvent based liquid phase microextraction of uranium in environmental samples: a green approach. *Analytical Methods*, **2016**, 8, 979-986	3.2	41
416	Membrane filtration of Sudan orange G on a cellulose acetate membrane filter for separation-preconcentration and spectrophotometric determination in water, chili powder, chili sauce and tomato sauce samples. *Food and Chemical Toxicology*, **2012**, 50, 2709-13	4.7	41
415	Preconcentration of Cd(II) and Cu(II) ions by coprecipitation without any carrier element in some food and water samples. *Microchemical Journal*, **2011**, 98, 317-322	4.8	41
414	Inorganic arsenic speciation in various water samples with GFAAS using coprecipitation. *International Journal of Environmental Analytical Chemistry*, **2008**, 88, 711-723	1.8	41
413	Simultaneous preconcentration of copper, nickel, cobalt and lead ions prior to their flame atomic absorption spectrometric determination. *Annali Di Chimica*, **2007**, 97, 277-85		41
412	Solid-phase extraction of copper, iron and zinc ions on Bacillus thuringiensis israelensis loaded on Dowex optipore V-493. *Journal of Hazardous Materials*, **2008**, 159, 335-41	12.8	41
411	A simple, rapid and green ultrasound assisted and ionic liquid dispersive microextraction procedure for the determination of tin in foods employing ETAAS. *Food Chemistry*, **2018**, 245, 380-384	8.5	40
410	Solid phase extraction of Cd, Pb, Ni, Cu, and Zn in environmental samples on multiwalled carbon nanotubes. *Environmental Monitoring and Assessment*, **2014**, 186, 5461-8	3.1	40
409	Ultrasound-assisted ionic liquid-based dispersive liquid-liquid microextraction for preconcentration of patent blue V and its determination in food samples by UV-visible spectrophotometry. *Environmental Monitoring and Assessment*, **2015**, 187, 203	3.1	39
408	Nanomaterial's based chromium speciation in environmental samples: A review. *TrAC - Trends in Analytical Chemistry*, **2018**, 103, 44-55	14.6	39
407	Solid-phase extraction of Fe(III), Pb(II) and Cr(III) in environmental samples on amberlite XAD-7 and their determinations by flame atomic absorption spectrometry. *Journal of Hazardous Materials*, **2007**, 149, 331-7	12.8	39
406	Bacillus thuringiensis var. israelensis immobilized on Chromosorb 101: a new solid phase extractant for preconcentration of heavy metal ions in environmental samples. *Journal of Hazardous Materials*, **2008**, 150, 357-63	12.8	39

405	Removal of cadmium from aqueous solution by Nordmann fir (Abies nordmanniana (Stev.) Spach. Subsp. nordmanniana) leaves. *Bioresource Technology*, **2008**, 99, 1992-2000	11	39
404	Spectrophotometric determination of trace amounts of tungsten in geological samples after preconcentration on Amberlite XAD-1180. *Talanta*, **1995**, 42, 1513-7	6.2	39
403	Cloud point extraction for the determination of copper in environmental samples by flame atomic absorption spectrometry. *Quimica Nova*, **2008**, 31, 70-74	1.6	39
402	Separation-preconcentration of nickel and lead in food samples by a combination of solid-liquid-solid dispersive extraction using SiO2 nanoparticles, ionic liquid-based dispersive liquid-liquid micro-extraction. *Talanta*, **2015**, 131, 361-5	6.2	38
401	Flame atomic absorption spectrometric determination of Cd, Pb, and Cu in food samples after pre-concentration using 4-(2-thiazolylazo) resorcinol-modified activated carbon. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 3989-3993	6.3	38
400	Multiwalled carbon nanotube impregnated with tartrazine: Solid phase extractant for Cd(II) and Pb(II). *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 581-585	6.3	38
399	Speciation of Cr(III) and Cr(VI) in geological and water samples by ytterbium(III) hydroxide coprecipitation system and atomic absorption spectrometry. *Food and Chemical Toxicology*, **2011**, 49, 1633-7	4.7	38
398	Trace metal contents in chewing gums and candies marketed in Turkey. *Environmental Monitoring and Assessment*, **2009**, 149, 283-9	3.1	38
397	3-Ethyl-4-(p-chlorobenzylidenamino-4,5-dihydro-1H-1,2,4-triazol-5-one (EPHBAT) as precipitant for carrier element free coprecipitation and speciation of chromium(III) and chromium(VI). *Journal of Hazardous Materials*, **2009**, 172, 395-9	12.8	38
396	Coprecipitation of Ni(2+), Cd(2+) and Pb(2+) for preconcentration in environmental samples prior to flame atomic absorption spectrometric determinations. *Journal of Hazardous Materials*, **2008**, 159, 435-9	12.8	38
395	Trace Heavy Metal Levels in Street Dust Samples from Yozgat City Center, Turkey. *Instrumentation Science and Technology*, **2003**, 21, 351-361		38
394	Ligandless switchable solvent based liquid phase microextraction of nickel from food and cigarette samples prior to its micro-sampling flame atomic absorption spectrometric determination. *Journal of Molecular Liquids*, **2017**, 237, 236-241	6	37
393	Insights into the chemical partitioning of trace metals in roadside and off-road agricultural soils along two major highways in Attica's region, Greece. *Ecotoxicology and Environmental Safety*, **2016**, 132, 101-10	7	37
392	Mercaptobenzothiazole-functionalized magnetic carbon nanospheres of type Fe3O4@SiO2@C for the preconcentration of nickel, copper and lead prior to their determination by ICP-MS. *Mikrochimica Acta*, **2016**, 183, 2377-2384	5.8	37
391	Determination of Lead, Copper, and Iron in Cosmetics, Water, Soil, and Food Using Polyhydroxybutyrate-B-polydimethyl Siloxane Preconcentration and Flame Atomic Absorption Spectrometry. *Analytical Letters*, **2015**, 48, 1163-1179	2.2	37
390	Selective speciation of inorganic antimony on tetraethylenepentamine bonded silica gel column and its determination by graphite furnace atomic absorption spectrometry. *Talanta*, **2013**, 107, 162-6	6.2	37
389	Solid phase extraction on multiwalled carbon nanotubes and flame atomic absorption spectrometry combination for determination of some metal ions in environmental and food samples. *Toxicological and Environmental Chemistry*, **2011**, 93, 873-885	1.4	37
388	Highly Simple Deep Eutectic Solvent Extraction of Manganese in Vegetable Samples Prior to Its ICP-OES Analysis. *Biological Trace Element Research*, **2017**, 179, 334-339	4.5	36

387	Cr speciation in water samples by dispersive liquid–liquid microextraction combined with total reflection X-ray fluorescence spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2016**, 115, 46-51	3.1	36
386	Single step in-syringe system for ionic liquid based liquid microextraction combined with flame atomic absorption spectrometry for lead determination. *Journal of Analytical Atomic Spectrometry*, **2012**, 27, 1960	3.7	36
385	Coprecipitation of palladium(II) with 1,5-diphenylcarbazite–copper(II) and determination by flame atomic absorption spectrometry. *Desalination*, **2011**, 270, 130-134	10.3	36
384	Preconcentration-Separation of Heavy Metal Ions in Environmental Samples by Membrane Filtration-Atomic Absorption Spectrometry Combination. *Analytical Letters*, **2004**, 37, 767-780	2.2	36
383	Deep eutectic solvent based liquid phase microextraction of nickel at trace level as its diethyldithiocarbamate chelate from environmental samples. *Microchemical Journal*, **2019**, 145, 745-750	4.8	36
382	Chemical fractionation, mobility and environmental impacts of heavy metals in greenhouse soils from Çanakkale, Turkey. *Environmental Earth Sciences*, **2016**, 75, 1	2.9	35
381	Vortex-assisted liquid–liquid microextraction coupled to flame atomic absorption spectrometry for lead determination: ionic liquid based microextraction using Triton X-100 as dispersant. *Analytical Methods*, **2012**, 4, 4091	3.2	35
380	Selective extraction of chromium(VI) using a leaching procedure with sodium carbonate from some plant leaves, soil and sediment samples. *Journal of Hazardous Materials*, **2010**, 173, 778-82	12.8	35
379	Determination of Some Trace Metals in Environmental Samples by Flame AAS Following Solid Phase Extraction with Amberlite XAD-2000 Resin after Complexing with 8-Hydroxyquinoline. *Chinese Journal of Chemistry*, **2007**, 25, 196-202	4.9	35
378	Speciation of antimony using chromosorb 102 resin as a retention medium. *Analytical Sciences*, **2003**, 19, 259-64	1.7	35
377	ON-LINE SOLID PHASE EXTRACTION SYSTEM FOR CHROMIUM DETERMINATION IN WATER SAMPLES BY FLOW INJECTION-FLAME ATOMIC ABSORPTION SPECTROMETRY. *Analytical Letters*, **2002**, 35, 1519-1530	2.2	35
376	Rapid and sensitive detection of synthetic cannabinoids JWH-018, JWH-073 and their metabolites using molecularly imprinted polymer-coated QCM nanosensor in artificial saliva. *Microchemical Journal*, **2020**, 153, 104454	4.8	35
375	Preconcentration/separation of lead at trace level from water samples by mixed micelle cloud point extraction. *Journal of Industrial and Engineering Chemistry*, **2015**, 29, 48-51	6.3	34
374	Column solid-phase extraction of sunset yellow and spectrophotometric determination of its use in powdered beverage and confectionery products. *International Journal of Food Science and Technology*, **2012**, 47, 1253-1258	3.8	34
373	Development of efficient method for preconcentration and determination of copper, nickel, zinc and iron ions in environmental samples by combination of cloud point extraction and flame atomic absorption spectrometry. *Open Chemistry*, **2009**, 7, 148-154	1.6	34
372	A new approach to separation and pre-concentration of some trace metals with co-precipitation method using a triazole. *Talanta*, **2008**, 76, 469-74	6.2	34
371	Determination of trace heavy metals in some textile products produced in Turkey. *Bulletin of the Chemical Society of Ethiopia*, **2008**, 22,	1.2	34
370	5-Chloro-2-hydroxyaniline-copper(II) coprecipitation system for preconcentration and separation of lead(II) and chromium(III) at trace levels. *Journal of Hazardous Materials*, **2008**, 158, 137-41	12.8	34

369	ON-LINE PRECONCENTRATION SYSTEM FOR DETERMINATION OF LEAD IN WATER AND SEDIMENT SAMPLES BY FLOW INJECTION-FLAME ATOMIC ABSORPTION SPECTROMETRY. *Analytical Letters*, **2002**, 35, 487-499	2.2	34
368	Thulium hydroxide: a new coprecipitant for speciation of chromium in natural water samples. *Journal of Hazardous Materials*, **2009**, 162, 1228-32	12.8	33
367	Equilibrium, Thermodynamic, and Kinetic Studies on Lead (II) Biosorption from Aqueous Solution by Saccharomyces cerevisiae Biomass. *Clean - Soil, Air, Water*, **2010**, 38, 877-885	1.6	33
366	Green synthesis of magnetic carbon nanodot/graphene oxide hybrid material (Fe3O4@C-nanodot@GO) for magnetic solid phase extraction of ibuprofen in human blood samples prior to HPLC-DAD determination. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 179, 113001	3.5	33
365	Honeybees and honey as monitors for heavy metal contamination near thermal power plants in Mugla, Turkey. *Toxicology and Industrial Health*, **2016**, 32, 507-16	1.8	32
364	Cloud point extraction and flame atomic absorption spectrometry determination of lead (II) in environmental and food samples. *Journal of AOAC INTERNATIONAL*, **2012**, 95, 1797-802	1.7	32
363	Membrane filtration - atomic absorption spectrometry combination for copper, cobalt, cadmium, lead and chromium in environmental samples. *Environmental Monitoring and Assessment*, **2007**, 127, 169-76	3.1	32
362	A solid phase extraction procedure for Fe3+, Cu2+ and Zn2+ ions on 2-phenyl-1H-benzo[d] imidazole loaded on Triton X-100-coated polyvinyl chloride. *Journal of Hazardous Materials*, **2008**, 158, 131-6	12.8	32
361	Nanomaterials-based solid phase extraction and solid phase microextraction for heavy metals food toxicity. *Food and Chemical Toxicology*, **2020**, 145, 111704	4.7	32
360	Pyrocatechol violet impregnated magnetic graphene oxide for magnetic solid phase microextraction of copper in water, black tea and diet supplements. *Food Chemistry*, **2020**, 321, 126737	8.5	31
359	Switchable solvent based liquid phase microextraction of mercury from environmental samples: a green aspect. *RSC Advances*, **2016**, 6, 24968-24975	3.7	31
358	Trace element concentrations of some pet foods commercially available in Turkey. *Food and Chemical Toxicology*, **2010**, 48, 2833-7	4.7	31
357	Developing a new and simple ultrasound-assisted emulsification liquid phase microextraction method built upon deep eutectic solvents for Patent Blue V in syrup and water samples. *Microchemical Journal*, **2019**, 145, 813-818	4.8	31
356	A novel ultrasonication-assisted deep eutectic solvent microextraction procedure for tartrazine at trace levels from environmental samples. *Journal of the Iranian Chemical Society*, **2020**, 17, 461-467	2	31
355	Magnetic solid phase extractions of Co(II) and Hg(II) by using magnetized C. micaceus from water and food samples. *Food Chemistry*, **2019**, 271, 232-238	8.5	30
354	Ligandless temperature-controlled ionic liquid-phase microextraction of lead(II) ion prior to its determination by FAAS. *Mikrochimica Acta*, **2013**, 180, 669-674	5.8	30
353	Preconcentration of lead from aqueous solution with activated carbon cloth prior to analysis by flame atomic absorption spectrometry: a multivariate study. *Journal of Analytical Atomic Spectrometry*, **2013**, 28, 601	3.7	30
352	Extractable Trace Metals Content of Dust from Vehicle Air Filters as Determined by Sequential Extraction and Flame Atomic Absorption Spectrometry. *Journal of AOAC INTERNATIONAL*, **2009**, 92, 1196-1202	1.7	30

351	Determination of Cadmium in Fruit and Vegetables by Ionic Liquid Magnetic Microextraction and Flame Atomic Absorption Spectrometry. *Analytical Letters*, **2015**, 48, 464-476	2.2	29
350	On-line preconcentration of copper as its pyrocatechol violet complex on Chromosorb 105 for flame atomic absorption spectrometric determinations. *Journal of Hazardous Materials*, **2009**, 163, 1298-302	12.8	29
349	Application of Cloud Point Extraction for Copper, Nickel, Zinc and Iron Ions in Environmental Samples. *Journal of the Chinese Chemical Society*, **2009**, 56, 981-986	1.5	29
348	Trace element levels in some dried fruit samples from Turkey. *International Journal of Food Sciences and Nutrition*, **2008**, 59, 581-9	3.7	29
347	Heavy metal contents of refined and unrefined table salts from Turkey, Egypt and Greece. *Environmental Monitoring and Assessment*, **2008**, 143, 267-72	3.1	29
346	Membrane Filtration of Iron(III), Copper(II) and Lead(II) Ions as 1-(2-Pyridylazo) 2-Naphtol (PAN) for Their Preconcentration and Atomic Absorption Determinations. *Journal of the Chinese Chemical Society*, **2004**, 51, 703-706	1.5	29
345	Determination of trace metal content of various herbal and fruit teas produced and marketed in Turkey. *Trace Elements and Electrolytes*, **2005**, 22, 192-195	1.8	29
344	A preconcentration procedure for copper, nickel and chromium ions in some food and environmental samples on modified Diaion SP-850. *Food and Chemical Toxicology*, **2010**, 48, 482-9	4.7	28
343	Removal of COOH, Cd and Pb using water hyacinth: FTIR and flame atomic absorption study. *Journal of the Iranian Chemical Society*, **2009**, 6, 364-372	2	28
342	Determination of total chromium by flame atomic absorption spectrometry after coprecipitation by cerium (IV) hydroxide. *Environmental Monitoring and Assessment*, **2008**, 138, 167-72	3.1	28
341	A novel deep eutectic solvent microextraction procedure for enrichment, separation and atomic absorption spectrometric determination of palladium at ultra-trace levels in environmental samples. *Measurement: Journal of the International Measurement Confederation*, **2020**, 153, 107394	4.6	28
340	A membrane filtration procedure for the enrichment, separation, and flame atomic absorption spectrometric determinations of some metals in water, hair, urine, and fish samples. *Desalination and Water Treatment*, **2015**, 53, 3457-3465		27
339	Carrier element-free coprecipitation (CEFC) method for separation and pre-concentration of some metal ions in natural water and soil samples. *Food and Chemical Toxicology*, **2010**, 48, 1328-33	4.7	27
338	Biosorption of Heavy Metals by Anoxybacillus gonensis Immobilized on Diaion HP-2MG. *Separation Science and Technology*, **2009**, 44, 335-358	2.5	27
337	Determination of Trace Metal Ions in SeaWater by Atomic Absorption Spectrometry After Separation/Preconcentration with Calmagite on Amberlite Xad-1180. *International Journal of Environmental Analytical Chemistry*, **2002**, 82, 225-231	1.8	27
336	COBALT DETERMINATION IN NATURAL WATER AND TABLE SALT SAMPLES BY FLAME ATOMIC ABSORPTION SPECTROSCOPY/ON-LINE SOLID PHASE EXTRACTION COMBINATION. *Analytical Letters*, **2002**, 35, 2363-2374	2.2	27
335	A new separation and preconcentration method for selenium in some foods using modified silica gel with 2,6-diamino-4-phenil-1,3,5-triazine. *Food Chemistry*, **2017**, 221, 1394-1399	8.5	26
334	Oxidized Multiwalled Carbon Nanotubes as Adsorbents for Kinetic and Equilibrium Study of Removal of 5-(4-Dimethyl Amino Benzylidene)Rhodanine. *Arabian Journal for Science and Engineering*, **2013**, 38, 1691-1699		26

333	CuO-CuO ball like/multiwalled carbon nanotube hybrid for fast and effective ultrasound-assisted solid phase extraction of uranium at ultra-trace level prior to ICP-MS detection. *Talanta*, **2020**, 207, 120295	6.2	26
332	Supramolecular microextraction of cobalt from water samples before its microsampling flame atomic absorption spectrometric detection. *International Journal of Environmental Analytical Chemistry*, **2015**, 95, 1311-1320	1.8	25
331	Supramolecular solvent microextraction of gold prior to its determination by microsample injection system coupled with flame atomic absorption spectrometry. *RSC Advances*, **2014**, 4, 47396-47401	3.7	25
330	Development of an extractive spectrophotometric method for uranium using MWCNTs as solid phase and arsenazo(III) as chromophore. *Journal of Radioanalytical and Nuclear Chemistry*, **2013**, 296, 1239-1245	1.5	25
329	Carrier element-free coprecipitation with 3-phenly-4-o-hydroxybenzylidenamino-4,5-dihydro-1,2,4-triazole-5-one for separation/preconcentration of Cr(III), Fe(III), Pb(II) and Zn(II) from aqueous solutions. *Journal of Hazardous Materials*, **2009**, 167, 294-9	12.8	25
328	Determination of trace metals by atomic absorption spectrometry after coprecipitation with europium hydroxide. *Journal of Hazardous Materials*, **2006**, 137, 1130-4	12.8	25
327	XAD-4/PAN Solid Phase Extraction System for Atomic Absorption Spectrometric Determinations of Some Trace Metals in Environmental Samples. *Analytical Letters*, **2004**, 37, 473-489	2.2	25
326	Room Temperature Ionic Liquid-based Microextraction for Pre-concentration of Cadmium and Copper from Biological Samples and Determination by FAAS. *Atomic Spectroscopy*, **2012**, 33, 166-172	2.8	25
325	A Novel Selective Deep Eutectic Solvent Extraction Method for Versatile Determination of Copper in Sediment Samples by ICP-OES. *Bulletin of Environmental Contamination and Toxicology*, **2017**, 99, 264-269	2.7	24
324	Magnetic Graphene Oxide as an Efficient Adsorbent for the Separation and Preconcentration of Cu(II), Pb(II), and Cd(II) from Environmental Samples. *Journal of AOAC INTERNATIONAL*, **2017**, 100, 1544-1550	1.7	24
323	Room temperature ionic liquid-based dispersive liquid phase microextraction for the separation/preconcentration of trace Cd(2+) as 1-(2-pyridylazo)-2-naphthol (PAN) complex from environmental and biological samples and determined by FAAS. *Biological Trace Element Research*, **2013**, 156, 49-55	4.5	24
322	Evaluation of trace metals in tea samples from Jeddah and Jazan, Saudi Arabia by atomic absorption spectrometry. *Bulletin of Environmental Contamination and Toxicology*, **2012**, 89, 1216-9	2.7	24
321	Some trace elements in front and rear dorsal ordinary muscles of wild and farmed bluefin tuna (Thunnus thynnus L. 1758) in the Turkish part of the eastern Mediterranean Sea. *Food and Chemical Toxicology*, **2011**, 49, 1006-10	4.7	24
320	Cloud-Point Extraction of Rhodamine 6G by Using Triton X-100 as the Non-Ionic Surfactant. *Journal of AOAC INTERNATIONAL*, **2011**, 94, 286-292	1.7	24
319	Trace element content in marine algae species from the Black Sea, Turkey. *Environmental Monitoring and Assessment*, **2009**, 151, 363-8	3.1	24
318	Separation and Enrichment of Gallium(III) as 4-(2-Thiazolylazo) Resorcinol (TAR) Complex by Solid Phase Extraction on Amberlite XAD-4 Adsorption Resin. *Analytical Letters*, **2003**, 36, 839-852	2.2	24
317	Heavy metal mobility and potential availability in animal manure: using a sequential extraction procedure. *Journal of Material Cycles and Waste Management*, **2016**, 18, 563-572	3.4	23
316	Separation and preconcentration of lead(II), cobalt(II), and nickel(II) on EDTA immobilized activated carbon cloth prior to flame atomic absorption spectrometric determination in environmental samples. *Turkish Journal of Chemistry*, **2015**, 39, 1038-1049	1	23

315	Determination of some metal ions by flame-AAS after their preconcentration using sodium dodecyl sulfate coated alumina modified with 2-hydroxy-(3-((1-H-indol 3-yle)phenyl) methyl) 1-H-indol (2-HIYPMI). *Food and Chemical Toxicology*, **2011**, 49, 1229-34	4.7	23
314	Factorial design for multivariate optimization of preconcentration system for spectrophotometric phosphorus determination. *Talanta*, **2009**, 79, 1287-91	6.2	23
313	Synthesis and characterization of type solid solution in the binary system of Bi2O3-Eu2O3. *Bulletin of Materials Science*, **2002**, 25, 583-588	1.7	23
312	Preconcentration of trace amounts of tungsten on Amberlite XAD-7 for its spectrophotometric determination in hot spring water. *Freseniusi Journal of Analytical Chemistry*, **1995**, 351, 308-310		23
311	Switchable-hydrophilicity solvent liquid-liquid microextraction. *TrAC - Trends in Analytical Chemistry*, **2020**, 131, 116025	14.6	23
310	A review: Recent advances in solid phase microextraction of toxic pollutants using nanotechnology scenario. *Microchemical Journal*, **2020**, 159, 105436	4.8	23
309	Determination of chloramphenicol and tetracycline residues in milk samples by means of nanofiber coated magnetic particles prior to high-performance liquid chromatography-diode array detection. *Talanta*, **2021**, 230, 122307	6.2	23
308	Simultaneous extraction and preconcentration of Cu2+, Ni2+ and Zn2+ ions using Ag nanoparticle-loaded activated carbon: Response surface methodology. *Advanced Powder Technology*, **2016**, 27, 426-435	4.6	22
307	Assessment of kinetics, thermodynamics and equilibrium parameters of Cr(VI) biosorption onto Pinus brutia Ten. *Canadian Journal of Chemical Engineering*, **2014**, 92, 139-147	2.3	22
306	Determination of Pb(II), Zn(II), Cd(II), and Co(II) ions by flame atomic absorption spectrometry in food and water samples after preconcentration by coprecipitation with Mo(VI)-diethyldithiocarbamate. *Environmental Monitoring and Assessment*, **2013**, 185, 1107-15	3.1	22
305	A green and efficient in-syringe ionic liquid-based single step microextraction procedure for preconcentration and determination of cadmium in water samples. *Journal of Industrial and Engineering Chemistry*, **2015**, 27, 149-152	6.3	22
304	Determination of Copper, Cobalt, Lead, and Iron in Table Salt by FAAS After Separation Using Violuric Acid and Multiwalled Carbon Nanotubes. *Food Analytical Methods*, **2012**, 5, 1003-1009	3.4	22
303	Dispersive liquid liquid microextraction of cadmium(II) for preconcentration prior to flame atomic absorption spectrometric detection in water. *Toxicological and Environmental Chemistry*, **2012**, 94, 1480-1489	1.4	22
302	Determination of toxic and essential elements in sunflower honey from Thrace Region, Turkey. *International Journal of Food Science and Technology*, **2012**, 47, 107-113	3.8	22
301	Silver nanoparticle loaded on activated carbon and activated carbon modified with 2-(4-isopropylbenzylideneamino)thiophenol (IPBATP) as new sorbents for trace metal ions enrichment. *International Journal of Environmental Analytical Chemistry*, **2013**, 93, 386-400	1.8	22
300	Preconcentration and separation of trace amount of copper (II) on N1, N2-bis(4-fluorobenzylidene)ethane-1,2-diamine loaded on Sepabeads SP70. *Journal of Hazardous Materials*, **2009**, 170, 169-74	12.8	22
299	A Novel Method for Speciation of Chromium: Coprecipitation Without Carrier Element by Using a Triazole Derivative. *Journal of AOAC INTERNATIONAL*, **2009**, 92, 257-262	1.7	22
298	Gadolinium hydroxide coprecipitation system for the separation-preconcentration of some heavy metals. *Journal of Hazardous Materials*, **2008**, 155, 595-600	12.8	22

297	Separation/Preconcentration of Copper, Lead, and Iron in Natural Water Samples on Chromosorb-105 Resin Prior to Flame Atomic Absorption Spectrometric Determinations. *Analytical Letters*, **2003**, 36, 797-812	2.2	22
296	Heavy metal content of potato and corn chips from Turkey. *Bulletin of Environmental Contamination and Toxicology*, **2005**, 74, 1072-7	2.7	22
295	Determination of trace element contaminants in herbal teas using ICP-MS by different sample preparation method. *Journal of Food Science and Technology*, **2020**, 57, 927-933	3.3	22
294	Magnetic nanomaterials for the removal, separation and preconcentration of organic and inorganic pollutants at trace levels and their practical applications: A review. *Trends in Environmental Analytical Chemistry*, **2021**, 29, e00109	12	22
293	Determination of Copper in Food and Water by Dispersive Liquid-Liquid Microextraction and Flame Atomic Absorption Spectrometry. *Analytical Letters*, **2015**, 48, 1738-1750	2.2	21
292	A Comparative Study for Separation, Preconcentration and Determination of Tartrazine (E 102) in Soft Drink Samples by Two Kinds of Amberlite Resins. *Food Analytical Methods*, **2015**, 8, 2141-2149	3.4	21
291	Speciation of Chromium after Coprecipitation with Cu-Violuric Acid and Determination by Flame Atomic Absorption Spectrometry. *Current Analytical Chemistry*, **2012**, 8, 358-364	1.7	21
290	A Cloud Point Extraction Procedure for Preconcentration/Flame Atomic Absorption Spectrometric Determination of Silver, Zinc, and Lead at Subtrace Levels in Environmental Samples. *Journal of AOAC INTERNATIONAL*, **2009**, 92, 907-913	1.7	21
289	Solid phase extraction of iron and lead in environmental matrices on amberlite xad-1180/pv. *Quimica Nova*, **2006**, 29, 203-207	1.6	21
288	Spectrophotometric Determination of Copper in Natural Waters and Pharmaceutical Samples with Chloro(Phenyl) Glyoxime. *Journal of the Chinese Chemical Society*, **2005**, 52, 575-579	1.5	21
287	Equilibrium and thermodynamic studies of stearic acid adsorption on Celtek clay. *Journal of the Serbian Chemical Society*, **2007**, 72, 485-494	0.9	21
286	Ionic Liquid-based Method for Microextraction-Enrichment of Gold from Real Samples and Determination by Flame Atomic Absorption Spectrometry. *Atomic Spectroscopy*, **2013**, 34, 15-19	2.8	21
285	Ultrasound-Assisted Ionic Liquid-Dispersive Liquid-Liquid of Curcumin in Food Samples Microextraction and Its Spectrophotometric Determination. *Journal of AOAC INTERNATIONAL*, **2018** ,	1.7	20
284	Investigation of the Influence of Selected Soil and Plant Properties from Sakarya, Turkey, on the Bioavailability of Trace Elements by Applying an In Vitro Digestion Model. *Biological Trace Element Research*, **2015**, 168, 276-85	4.5	20
283	Solid-phase extraction of tartrazine on multiwalled carbon nanotubes for separation and enrichment. *Toxicological and Environmental Chemistry*, **2013**, 95, 559-566	1.4	20
282	Multivariate statistical design optimization for ultrasonic-assisted restricted access supramolecular solvent-based liquid phase microextraction of quercetin in food samples. *Journal of the Iranian Chemical Society*, **2017**, 14, 2521-2528	2	20
281	Use of Multiwalled Carbon Nanotube Disks for the SPE of Some Heavy Metals as 8-Hydroxquinoline Complexes. *Journal of AOAC INTERNATIONAL*, **2011**, 94, 1297-1303	1.7	20
280	Sorbent extraction of Pb(II), Cu(II), Ni(II), and Fe(III) ions as 2-(5-bromo-2-pyridylazo)-5-diethylamino-phenol chelates on single-walled carbon nanotube disks prior to their flame atomic absorption spectrometric determinations in animal feeds and natural water samples. *Journal of AOAC INTERNATIONAL*, **2012**, 95, 1205-10	1.7	20

279	Simultaneous Enrichment-Separation of Metal Ions from Environmental Samples by Solid-Phase Extraction Using Double-Walled Carbon Nanotubes. *Journal of AOAC INTERNATIONAL*, **2009**, 92, 1219-1224	1.7	20
278	Combination of cloud point extraction and flame atomic absorption spectrometry for preconcentration and determination of trace iron in environmental and biological samples. *Open Chemistry*, **2008**, 6, 488-496	1.6	20
277	Column Solid Phase Extraction of Copper, Iron, and Zinc Ions at Trace Levels in Environmental Samples on Amberlite XAD-7 for Their Flame Atomic Absorption Spectrometric Determinations. *Analytical Letters*, **2004**, 37, 1185-1201	2.2	20
276	Separation/Preconcentration of Xylenol Orange Metal Complexes on Amberlite XAD-16 Column for Their Determination by Flame Atomic Absorption Spectrometry. *Instrumentation Science and Technology*, **2003**, 21, 455-466		20
275	An environment-friendly and rapid liquid-liquid microextraction based on new synthesized hydrophobic deep eutectic solvent for separation and preconcentration of erythrosine (E127) in biological and pharmaceutical samples. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 244, 118842	4.4	20
274	Trace metal levels in lichen samples from roadsides in East Black Sea region, Turkey. *Biomedical and Environmental Sciences*, **2007**, 20, 203-7	1.1	20
273	Trace determination of vitamin B12 in food samples by using Fe3O4 magnetic particles including multi-walled carbon nanotubes and nanodiamonds. *Analytical Methods*, **2019**, 11, 5108-5117	3.2	19
272	A new amine based microextraction of lead (II) in real water samples using flame atomic absorption spectrometry. *Microchemical Journal*, **2019**, 148, 214-219	4.8	19
271	Dispersive liquid□liquid microextraction□spectrophotometry combination for determination of rhodamine B in food, water, and environmental samples. *Desalination and Water Treatment*, **2015**, 55, 2103-2108		19
270	Speciation of Chromium in Natural Waters, Tea, and Soil with Membrane Filtration Flame Atomic Absorption Spectrometry. *Analytical Letters*, **2015**, 48, 2258-2271	2.2	19
269	Boletus edulis loaded with □FeO nanoparticles as a magnetic sorbent for preconcentration of Co(II) and Sn(II) prior to their determination by ICP-OES. *Mikrochimica Acta*, **2017**, 185, 73	5.8	19
268	Amberlite XAD-7 resin impregnated with 2-(1-(4-chlorophenyl)-4,5-diphenyl-1H-imidazol-2yl)-4-nitrophenol for enrichment of metal ions. *Journal of Saudi Chemical Society*, **2014**, 18, 674-680	4.3	19
267	Ionic Liquid-Based Ultrasound-Assisted Emulsification Microextraction of Cadmium in Biological Samples: Optimization by a Multivariate Approach. *Analytical Letters*, **2015**, 48, 1751-1766	2.2	19
266	Sorbent extraction of 4-(2-thiazolylazo) resorcinol (TAR)-metal chelates on Diaion SP-850 adsorption resin in order to preconcentration/separation. *Journal of Hazardous Materials*, **2010**, 182, 704-9	12.8	19
265	Determination of Aluminum at Trace Level in Water Samples by Visible Absorption Spectroscopy with a Laser Diode.. *Analytical Sciences*, **1997**, 13, 287-289	1.7	19
264	Heavy metal contents of the karasu creek sediments, Nigde, Turkey. *Environmental Monitoring and Assessment*, **2007**, 128, 351-7	3.1	19
263	Comparison of sample preparation procedures for the determination of trace heavy metals in house dust, tobacco and tea samples by atomic absorption spectrometry. *Annali Di Chimica*, **2004**, 94, 867-73		19
262	SOLID PHASE EXTRACTION OF SOME METAL IONS ON DIAION-20 RESIN PRIOR TO FLAME ATOMIC ABSORPTION SPECTROMETRIC ANALYSIS. *Instrumentation Science and Technology*, **2002**, 20, 15-27		19

261	Spectrophotometric determination of samarium(III) with chrome azurol S in the presence of cetylpyridinium chloride. *Talanta*, **2000**, 53, 125-9	6.2	19
260	Supramolecular solvent microextraction and ultra-performance liquid chromatography-tandem mass spectrometry combination for the preconcentration and determination of malathion in environmental samples **2019**, 144, 166-171		19
259	Supramolecular solvent-based liquid phase microextraction of malachite green at trace level from water samples for its UV–vis spectrophotometric detection. *International Journal of Environmental Analytical Chemistry*, **2019**, 99, 595-605	1.8	18
258	Ligandless reversed-phase switchable-hydrophilicity solvent liquid–liquid microextraction combined with flame-atomic absorption spectrometry for the determination of copper in oil samples. *Microchemical Journal*, **2020**, 156, 104868	4.8	18
257	Application of magnetized fungal solid phase extractor with Fe2O3 nanoparticle for determination and preconcentration of Co(II) and Hg(II) from natural water samples. *Microchemical Journal*, **2018**, 143, 198-204	4.8	18
256	Selective preconcentration of thallium species as chloro and iodo complexes on Chromosorb 105 resin prior to electrothermal atomic absorption spectrometry. *Talanta*, **2011**, 85, 1974-9	6.2	18
255	Preconcentration and Determination of Zinc and Lead Ions by a Combination of Cloud Point Extraction and Flame Atomic Absorption Spectrometry. *Clean - Soil, Air, Water*, **2009**, 37, 328-333	1.6	18
254	Assessment of trace metal levels in some moss and lichen samples collected from near the motorway in Turkey. *Journal of Hazardous Materials*, **2009**, 166, 1344-50	12.8	18
253	DETERMINATION OF Cu, Fe, Ni, Co, Pb, Cd, Mn, AND Cr IN NATURAL WATER SAMPLES AFTER SOLID PHASE EXTRACTION ON CHROMOSORB 102. *Analytical Letters*, **2002**, 35, 2603-2616	2.2	18
252	Supramolecular solvent based liquid–liquid microextraction of aluminum from water and hair samples prior to UV-visible spectrophotometric detection. *RSC Advances*, **2015**, 5, 62433-62438	3.7	17
251	Determination of Cadmium and Lead in Water and Food by Organic Drop Microextraction and Flame Atomic Absorption Spectrometry. *Instrumentation Science and Technology*, **2015**, 43, 573-587	1.4	17
250	A green and simple liquid-phase microextraction based on deep eutectic solvent for the erythrosine prior to its UV–VIS spectrophotometric detection. *Journal of the Iranian Chemical Society*, **2020**, 17, 2675-2681	2	17
249	Simple and sensitive determination of vitamin A and E in the milk and egg yolk samples by using dispersive solid phase extraction with newly synthesized polymeric material. *Journal of Food Composition and Analysis*, **2020**, 90, 103482	4.1	17
248	Combination of Syringe–Solid Phase Extraction with Inductively Coupled Plasma Mass Spectrometry for Efficient Heavy Metals Detection. *Clean - Soil, Air, Water*, **2016**, 44, 720-727	1.6	17
247	Vortex-assisted magnetic solid phase extraction of Cd(II), Cu(II) and Pb(II) on the Nitroso-R salt impregnated magnetic Ambersorb 563 for their separation, preconcentration and determination by FAAS. *International Journal of Environmental Analytical Chemistry*, **2018**, 98, 799-810	1.8	17
246	Facile and green solvothermal synthesis of palladium nanoparticle-nanodiamond-graphene oxide material with improved bifunctional catalytic properties. *Journal of the Iranian Chemical Society*, **2017**, 14, 2503-2512	2	17
245	Assessment of trace metal concentrations in muscle tissue of certain commercially available fish species from Kayseri, Turkey. *Environmental Monitoring and Assessment*, **2014**, 186, 4619-28	3.1	17
244	Development of a flotation method for preconcentration-separation of trace amounts of some metal ions in plant tissues prior to their FAAS determinations. *Quimica Nova*, **2010**, 33, 404-410	1.6	17

243	Speciation of Cr(III) and Cr(VI) in Environmental Samples after Solid Phase Extraction on Amberlite XAD□000. *Journal of the Chinese Chemical Society*, **2007**, 54, 625-634	1.5	17
242	Determination of Trace Elements of Some Textiles by Atomic Absorption Spectrometry. *Instrumentation Science and Technology*, **2003**, 21, 389-396		17
241	Application of Total Reflection X-Ray Fluorescence Spectrometry in the Textile Industry. *Mikrochimica Acta*, **2002**, 138, 77-82	5.8	17
240	Synthesis and properties of □type Bi(III)2□x Dy(II)2x O3 □x x solid solution. *Journal of Materials Science*, **2005**, 40, 2951-2957	4.3	17
239	Functionalized nanomaterials for sample preparation methods **2020**, 375-413		17
238	A sensitive and selective deep eutectic solvent-based ultrasound-assisted liquid phase microextraction procedure for separation-preconcentration and determination of copper in olive oil and water samples. *Separation Science and Technology*, **2019**, 54, 2431-2439	2.5	17
237	Supramolecular solvent-based microextraction method for cobalt traces in food samples with optimization Plackett□Burman and central composite experimental design. *RSC Advances*, **2015**, 5, 94879-94886	3.7	16
236	The efficient photocatalytic degradation of methyl tert-butyl ether under Pd/ZnO and visible light irradiation. *Photochemistry and Photobiology*, **2015**, 91, 265-71	3.6	16
235	Assessment of metal contents in spices and herbs from Saudi Arabia. *Toxicology and Industrial Health*, **2016**, 32, 260-9	1.8	16
234	A new magnetized thermophilic bacteria to preconcentrate uranium and thorium from environmental samples through magnetic solid-phase extraction. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 186, 113315	3.5	16
233	Ultrasonic-assisted supramolecular solvent-based liquid phase microextraction of mercury as 1-(2-pyridylazo)-2-naphthol complexes from water samples. *International Journal of Environmental Analytical Chemistry*, **2016**, 96, 1356-1366	1.8	16
232	Usage of deep eutectic solvents for the digestion and ultrasound-assisted liquid phase microextraction of copper in liver samples. *Journal of the Iranian Chemical Society*, **2018**, 15, 2307-2314	2	16
231	Spectrophotometric determination of uranium using chromotrope 2R complexes. *Journal of Radioanalytical and Nuclear Chemistry*, **2014**, 301, 263-268	1.5	16
230	A Simple Vortex-Assisted Dispersive Liquid□Liquid Microextraction System for Copper(II) to Preconcentration and Separation from Natural Water and Table Salt Samples. *Arabian Journal for Science and Engineering*, **2017**, 42, 175-181	2.5	16
229	Speciation of chromium by the combination of dispersive liquid--liquid microextraction and microsample injection flame atomic absorption spectrometry. *Turkish Journal of Chemistry*, **2014**, 38, 173-181	1	16
228	Spectrophotometric Detection of Rhodamine B after Separation-Enrichment by Using Multi-walled Carbon Nanotubes. *Journal of AOAC INTERNATIONAL*, **2014**, 97, 1459-62	1.7	16
227	Multiwalled carbon nanotube impregnated with bis(5-bromosalicylidene)-1,3-propandiamine for enrichment of Pb2+ ion. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 638-643	6.3	16
226	Assessment of water quality parameters in the stream Galyan, Trabzon, Turkey. *Environmental Monitoring and Assessment*, **2010**, 165, 1-13	3.1	16

225	Trace metal levels and some chemical parameters in herby cheese collected from south eastern Anatolia-Turkey. *Environmental Monitoring and Assessment*, **2008**, 139, 27-33	3.1	16
224	Trace metal content of snacks and appetizers consumed in Turkey. *Bulletin of Environmental Contamination and Toxicology*, **2006**, 76, 436-41	2.7	16
223	Heavy metal content of hard biscuits produced in Turkey. *Bulletin of Environmental Contamination and Toxicology*, **2004**, 73, 264-9	2.7	16
222	An environmentally friendly and novel amine-based liquid phase microextraction of quercetin in food samples prior to its determination by UV-vis spectrophotometry. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 243, 118806	4.4	16
221	Development of Hypericum perforatum oil incorporated antimicrobial and antioxidant chitosan cryogel as a wound dressing material. *International Journal of Biological Macromolecules*, **2020**, 161, 1581-1590	7.9	16
220	Spectrophotometric detection of rhodamine B in tap water, lipstick, rouge, and nail polish samples after supramolecular solvent microextraction. *Turkish Journal of Chemistry*, **2017**, 41, 987-994	1	15
219	Fe3O4 nanoparticles and ultrasound assisted dispersive liquid–liquid microextraction of lead(II) for its microsampling flame atomic absorption spectrometric determination in food and environmental samples. *RSC Advances*, **2014**, 4, 55610-55614	3.7	15
218	Amberlite IR-120 modified with 8-hydroxyquinoline as efficient adsorbent for solid-phase extraction and flame atomic absorption determination of trace amounts of some metal ions. *Biological Trace Element Research*, **2012**, 145, 240-7	4.5	15
217	Separation-preconcentration of Cu, Cd, Pb and Ni in various water and food samples on Sepabeads SP-207. *International Journal of Food Science and Technology*, **2013**, 48, 1201-1207	3.8	15
216	Development of a dispersive liquid–liquid microextraction combined with flame atomic absorption spectrometry using a microinjection system for the enrichment, separation, and determination of nickel in water samples. *Desalination and Water Treatment*, **2013**, 51, 6770-6776		15
215	Switchable solvent based liquid phase microextraction of palladium coupled with determination by flame atomic absorption spectrometry. *International Journal of Environmental Analytical Chemistry*, **2017**, 97, 1315-1327	1.8	15
214	Separation and pre-concentration of palladium(II) from environmental and industrial samples by formation of a derivative of 1,2,4-triazole complex on Amberlite XAD‐2010 resin. *International Journal of Environmental Analytical Chemistry*, **2013**, 93, 1484-1499	1.8	15
213	Selective Preconcentration/Separation of Copper(II), Iron(III), and Lead(II) as Their N-Benzoyl-N,N-Diisobutylthiourea Chelates on Amberlite XAD-16 Resin. *Journal of AOAC INTERNATIONAL*, **2010**, 93, 720-724	1.7	15
212	Double-walled carbon nanotubes as a solid phase extractor for separation-preconcentration of traces of gold from geological and water samples. *International Journal of Environmental Analytical Chemistry*, **2011**, 91, 440-447	1.8	15
211	Magnetic Solid Phase Extraction of Trace Lead and Copper on Chromotrope FB Impregnated Magnetic Multiwalled Carbon Nanotubes From Cigarette and Hair Samples for Measurement by Flame AAS. *Atomic Spectroscopy*, **2017**, 38, 57-61	2.8	15
210	Preconcentrations of Ni(II) and Pb(II) from water and food samples by solid-phase extraction using Pleurotus ostreatus immobilized iron oxide nanoparticles. *Food Chemistry*, **2021**, 336, 127675	8.5	15
209	Resistance, bioaccumulation and solid phase extraction of uranium (VI) by Bacillus vallismortis and its UV-vis spectrophotometric determination. *Journal of Environmental Radioactivity*, **2017**, 171, 217-225	2.4	14
208	Separation, enrichment and spectrophotometric determination of erythrosine (E127) in drug, cosmetic and food samples by heat-induced homogeneous liquid–liquid microextraction method. *International Journal of Environmental Analytical Chemistry*, **2019**, 99, 1135-1147	1.8	14

207	A magnetized fungal solid-phase extractor for the preconcentrations of uranium(VI) and thorium(IV) before their quantitation by ICP-OES. *Mikrochimica Acta*, **2019**, 186, 355	5.8	14
206	Triethylenetetramine modified multiwalled carbon nanotubes for the efficient preconcentration of Pb(II), Cu(II), Ni(II) and Cd(II) before FAAS detection. *RSC Advances*, **2015**, 5, 106905-106911	3.7	14
205	Metal organic frameworks enhanced dispersive solid phase microextraction of malathion before detection by UHPLC-MS/MS. *Journal of Separation Science*, **2020**, 43, 3103-3109	3.4	14
204	Fabrication and characterization of SiO2@Fe3O4@nanodiamonds for vortex-assisted magnetic solid-phase extraction of lead in cigarette samples prior to FAAS detection. *Journal of the Iranian Chemical Society*, **2020**, 17, 1627-1634	2	14
203	Synthesis and characterization of Pd nanoparticle-modified magnetic Sm2O3@ZrO2 as effective multifunctional catalyst for reduction of 2-nitrophenol and degradation of organic dyes. *Journal of the Iranian Chemical Society*, **2018**, 15, 1721-1731	2	14
202	Heavy metal contents of organically produced, harvested, and dried fruit samples from Kayseri, Turkey. *Environmental Monitoring and Assessment*, **2013**, 185, 2577-83	3.1	14
201	Cadmium and nickel determinations in some food and water samples by the combination of carrier element-free coprecipitation and flame atomic absorption spectrometry. *Toxicological and Environmental Chemistry*, **2013**, 95, 737-746	1.4	14
200	Solid-phase extraction of heavy metal ions on bucky tubes disc in natural water and herbal plant samples. *Environmental Monitoring and Assessment*, **2011**, 181, 577-86	3.1	14
199	Determination of some trace elements in food and soil samples by atomic absorption spectrometry after coprecipitation with holmium hydroxide. *Journal of AOAC INTERNATIONAL*, **2012**, 95, 892-6	1.7	14
198	The Investigation of Trace Heavy Metal Concentrations in the Street Dust Samples Collected from Kayseri, Turkey. *Instrumentation Science and Technology*, **2003**, 21, 713-720		14
197	The Enrichment/Separation of Fe, Co, Pb, Cd, and Cr on Ambersorb 563 Prior to Their Flame Atomic Absorption Spectrometric Determinations. *Journal of Analytical Chemistry*, **2003**, 58, 1127-1131	1.1	14
196	Heavy metals in lichens from roadsides and an industrial zone in Trabzon, Turkey. *Bulletin of Environmental Contamination and Toxicology*, **2005**, 74, 190-4	2.7	14
195	Cadmium and lead contamination in tap water samples from Tokat, Turkey. *Bulletin of Environmental Contamination and Toxicology*, **2005**, 75, 284-9	2.7	14
194	Modification of platinum nanoparticles loaded on activated carbon and activated carbon with a new chelating agent for solid phase extraction of some metal ions. *Journal of Molecular Liquids*, **2016**, 221, 748-754	6	13
193	Solid phase extraction of uranium(VI) on phosphorus-containing polymer grafted 4-aminoantipyrine. *Journal of Radioanalytical and Nuclear Chemistry*, **2016**, 308, 955-963	1.5	13
192	Tolerance and bioaccumulation of U(VI) by Bacillus mojavensis and its solid phase preconcentration by Bacillus mojavensis immobilized multiwalled carbon nanotube. *Journal of Environmental Management*, **2017**, 187, 490-496	7.9	13
191	Dispersive liquid-liquid microextraction of lead(II) as 5-(4-dimethylaminobenzylidene) rhodanine chelates from food and water samples. *Environmental Monitoring and Assessment*, **2015**, 187, 9	3.1	13
190	Evaluation of trace element contents of some herbal plants and spices retailed in Kayseri, Turkey. *Environmental Monitoring and Assessment*, **2012**, 184, 3455-61	3.1	13

189	Solid-phase extraction of some heavy metal ions on a double-walled carbon nanotube disk and determination by flame atomic absorption spectrometry. *Journal of AOAC INTERNATIONAL*, **2011**, 94, 1617-24	1.7	13
188	DETERMINATION OF SOME TRACE ELEMENTS IN MINERAL SPRING WATERS BY TOTAL REFLECTION X-RAY FLUORESCENCE SPECTROMETRY (TXRF). *Instrumentation Science and Technology*, **2002**, 20, 261-268		13
187	Flame Atomic Absorption Spectrometric Determination of Cu(II), Co(II), Cd(II), Fe(III) and Mn(II) in Ammonium Salts and Industrial Fertilizers after PrEconcentration/Separation on Diaion HP-20. *International Journal of Environmental Analytical Chemistry*, **2002**, 82, 197-206	1.8	13
186	Electrochemical immunosensor for rapid and highly sensitive detection of SARS-CoV-2 antigen in the nasal sample.. *Talanta*, **2022**, 240, 123211	6.2	13
185	Fractionation, Source Identification and Risk Assessments for Heavy Metals in Soils near a Small-Scale Industrial Area (Çanakkale-Turkey). *Soil and Sediment Contamination*, **2019**, 28, 213-227	3.2	13
184	The Determination of Toxic Metals in some Traditional Cosmetic Products and Health Risk Assessment. *Biological Trace Element Research*, **2021**, 199, 2272-2277	4.5	13
183	Preconcentrations of Ni(II) and Co(II) by using immobilized thermophilic Geobacillus stearothermophilus SO-20 before ICP-OES determinations. *Food Chemistry*, **2018**, 266, 126-132	8.5	13
182	Fe3O4@SiO2@Bacillus pumilis: magnetised solid phase bio-extractor for preconcentration of Pb(II) and Cu(II) from water samples. *International Journal of Environmental Analytical Chemistry*, **2019**, 99, 1112-1122	1.8	12
181	Enrichment-separation and determinations of cadmium(II) and lead(II)-1-phenyl-1H-tetrazole-5-thiol chelates on Diaion SP-207 by solid phase extraction-flame atomic absorption spectrometry. *Arabian Journal of Chemistry*, **2015**, 8, 720-725	5.9	12
180	Ultrasonic supramolecular microextration of nickel (II) as N,N?-Dihydroxy-1,2-cyclohexanediimine chelates from water, tobacco and fertilizer samples before FAAS determination. *Journal of Molecular Liquids*, **2016**, 221, 773-777	6	12
179	Enrichment of copper as 1-(2-pyridylazo)-2-naphthol complex by the combination of dispersive liquid-liquid microextraction/flame atomic absorption spectrometry. *Journal of AOAC INTERNATIONAL*, **2014**, 97, 205-10	1.7	12
178	Vortex Assisted Liquid–liquid Microextraction Using Triton X-114 for Ultratrace Cadmium Prior to Analysis. *Clean - Soil, Air, Water*, **2014**, 42, 1083-1088	1.6	12
177	SDS-coated Sepabeads SP70-modified by 4-[(E)-3-phenylallylidene) amino] benzenethiol as new efficient solid phase for enrichment and determination of copper, nickel, chromium, and zinc ions in soil, plants, and mint water samples. *Environmental Monitoring and Assessment*, **2011**, 174, 171-86	3.1	12
176	Determination of traces of iron and lead in food and water samples after preconcentration on multiwalled carbon nanotubes. *Journal of AOAC INTERNATIONAL*, **2012**, 95, 1183-8	1.7	12
175	Solid Phase Extraction of Thorium on Multiwalled Carbon Nanotubes Prior to UV-Vis Spectrophotometric Determination in Ore Samples. *Atomic Spectroscopy*, **2014**, 35, 270-274	2.8	12
174	Ultrasound-assisted Supramolecular Microextraction of Copper in Water, Food, Hair, and Tobacco Samples Prior to Microsampling Flame Atomic Absorption Spectrometry. *Atomic Spectroscopy*, **2018** , 39, 106-111	2.8	12
173	Ultrasonic-assisted Supramolecular Solvent Liquid-liquid Microextraction for Inorganic Chromium Speciation in Water Samples and Determination by UV-Vis Spectrophotometry. *Atomic Spectroscopy* , **2020**, 41, 43-50	2.8	12
172	Multi-element determination in some foods and beverages using silica gel modified with 1-phenylthiosemicarbazide. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2019**, 36, 1667-1676	3.2	11

171	Separation and Preconcentration of Sudan Blue II Using Membrane Filtration and UV-Visible Spectrophotometric Determination in River Water and Industrial Wastewater Samples. *Journal of AOAC INTERNATIONAL*, **2015**, 98, 213-7	1.7	11
170	Development of an ultrasonic-assisted restricted access supramolecular solvent-based liquid phase microextraction (UA-RAS-LPME) method for separation-preconcentration and UV-VIS spectrophotometric detection of curcumin. *Separation Science and Technology*, **2018**, 53, 2612-2621	2.5	11
169	A sensitive method for the determination of gold and palladium based on dispersive liquid□quid microextraction combined with flame atomic absorption spectrometric determination using N-(6-morpholin-4-ylpyridin-3-yl)-N?-phenylthiourea. *RSC Advances*, **2016**, 6, 6896-6904	3.7	11
168	Innovative, simple and green ultrasound assisted-enzyme based hydrolytic microextraction method for manganese at trace levels in food samples. *Talanta*, **2017**, 174, 605-609	6.2	11
167	Sea sponge as a low cost biosorbent for solid phase extraction of some heavy metal ions and determination by flame atomic absorption spectrometry. *Journal of AOAC INTERNATIONAL*, **2014**, 97, 1689-95	1.7	11
166	A pipette tip multiwalled-carbon nanotube solid-phase extraction of lead in water and hair samples: application of the statistical Taguchi method to optimise the experimental variables. *International Journal of Environmental Analytical Chemistry*, **2014**, 94, 1435-1444	1.8	11
165	Trace metal concentrations in cigarette brands commonly available in Turkey: relation with human health. *Toxicological and Environmental Chemistry*, **2012**, 94, 1893-1901	1.4	11
164	A dispersive liquid--liquid microextraction methodology for copper (II) in environmental samples prior to determination using microsample injection flame atomic absorption spectrometry. *Journal of AOAC INTERNATIONAL*, **2013**, 96, 1425-9	1.7	11
163	Determination of Cu, Fe, and Ni in Spices after Preconcentration on Diaion-HP 20 Resin as Their Zincon Complexes. *Clean - Soil, Air, Water*, **2011**, 39, 502-507	1.6	11
162	Sorbent extraction of rubeanic acid-metal chelates on a new adsorbent: Sepabeads SP70. *Journal of Hazardous Materials*, **2006**, 138, 195-200	12.8	11
161	Ultrasound-assisted magnetic solid phase microextraction of patent blue V on magnetic multiwalled carbon nanotubes prior to its spectrophotometric determination. *Microchemical Journal*, **2020**, 159, 105468	4.8	11
160	Synthesis, biological properties, and acid dissociation constant of novel naphthoquinone-triazole hybrids. *Bioorganic Chemistry*, **2020**, 105, 104441	5.1	11
159	Combination of dispersive liquid□quid microextraction and multivariate optimization for separation-enrichment of traces lead by flame atomic absorption spectrometry. *Journal of Industrial and Engineering Chemistry*, **2016**, 37, 306-311	6.3	11
158	Supramolecular solvent microextraction of Sudan blue II in environmental samples prior to its spectrophotometric determination. *International Journal of Environmental Analytical Chemistry*, **2016**, 96, 568-575	1.8	11
157	Magnetic solid-phase extraction based onCoriolus versicolor-immobilized-Fe2O3nanoparticles for preconcentration and determination of Al(III) in waterand food samples. *Turkish Journal of Chemistry*, **2019**, 43, 1217-1228	1	11
156	A green ultrasonic-assisted liquid□quid microextraction technique based on deep eutectic solvents for flame atomic absorption spectrometer determination of trace level of lead in tobacco and food samples. *Journal of the Iranian Chemical Society*, **2019**, 16, 687-694	2	11
155	Geochemical fractions of trace metals in surface and core sections of aggregates in agricultural soils. *Catena*, **2021**, 197, 104995	5.8	11
154	A hybrid material composed of multiwalled carbon nanotubes and MoSe nanorods as a sorbent for ultrasound-assisted solid-phase extraction of lead(II) and copper(II). *Mikrochimica Acta*, **2019**, 186, 666	5.8	10

153	Thiomalic acid/ferric chloride-based deep eutectic solvent for microextraction of chromium in natural water samples prior to FAAS analysis. *International Journal of Environmental Analytical Chemistry*, **2020**, 1-9	1.8	10
152	Spectrophotometric determination of carmoisine after cloud point extraction using Triton X-114. *Turkish Journal of Chemistry*, **2017**, 41, 256-262	1	10
151	Vortex assisted solid-phase extraction of lead(II) using orthorhombic nanosized BiWO as a sorbent. *Mikrochimica Acta*, **2017**, 185, 34	5.8	10
150	A novel carrier element-free co-precipitation method for separation/preconcentration of lead and cadmium ions from environmental matrices. *Environmental Progress and Sustainable Energy*, **2016**, 35, 1709-1715	2.5	10
149	Solid-phase extraction of some food dyes on sea sponge column and determination by UV□is spectrophotometer. *Desalination and Water Treatment*, **2016**, 57, 25822-25829		10
148	Sequential extraction procedure for the determination of some trace elements in fertilizer samples. *Journal of AOAC INTERNATIONAL*, **2014**, 97, 1034-8	1.7	10
147	Pain-relieving effects of pulsed magnetic fields in a rat model of carrageenan-induced hindpaw inflammation. *International Journal of Radiation Biology*, **2014**, 90, 95-103	2.9	10
146	A simple ligandless microextraction method based on ionic liquid for the determination of trace cadmium in water and biological samples. *Toxicological and Environmental Chemistry*, **2013**, 95, 1069-1079	1.4	10
145	Selective separation, preconcentration and determination of Pd(II) ions in environmental samples by coprecipitation with a 1,2,4-triazole derivative. *Bulletin of the Chemical Society of Ethiopia*, **2015**, 29, 1	1.2	10
144	Acetohydrazide Derivative for Selective Separation and Preconcentration of Cu(II) Ions by Coprecipitation Method Without Using a Carrier Element. *Spectroscopy Letters*, **2012**, 45, 330-336	1.1	10
143	The solid phase extraction of some metal ions using palladium nanoparticles attached to silica gel chemically bonded by silica-bonded N-propylmorpholine as new sorbent prior to their determination by flame atomic absorption spectroscopy. *Scientific World Journal, The*, **2012**, 2012, 764195	2.2	10
142	Diaion HP-2MG modified with 2-(2,6-dichlorobenzylideneamino) benzenethiol as new adsorbent for solid phase extraction and flame atomic absorption spectrometric determination of metal ions. *Human and Experimental Toxicology*, **2013**, 32, 371-8	3.4	10
141	Application of the solid-phase extraction procedure on chromatographic mini column filled with Diaion HP-20 for determination of copper, cobalt, cadmium, iron and manganese in textile products and textile wastewaters. *Trace Elements and Electrolytes*, **2003**, 20, 16-22	1.8	10
140	Monitoring copper, nickel, cobalt, lead, cadmium, manganese and chromium levels in house dust samples from Kayseri, Turkey. *Trace Elements and Electrolytes*, **2004**, 21, 4-9	1.8	10
139	Heavy metal contents of play dough, face and finger paint samples sold in turkish markets. *Talanta*, **2017**, 170, 377-383	6.2	9
138	Magnetic solid-phase extraction of quercetin on magnetic-activated carbon cloth (MACC). *Journal of the Iranian Chemical Society*, **2019**, 16, 1365-1372	2	9
137	Lead preconcentration as rac-(E,E)-N,N?-bis(2-chlorobenzylidene)cyclohexane-1,2-diamine complexes from water and tobacco samples by dispersive liquid-liquid microextraction. *Journal of Analytical Chemistry*, **2015**, 70, 691-695	1.1	9
136	Preconcentration□eparation of germanium at ultra trace levels on polysulfone membrane filter and its determination by spectrophotometry. *Journal of Industrial and Engineering Chemistry*, **2015**, 24, 322-325	6.3	9

135	A new coprecipitation methodology with lutetium hydroxide for preconcentration of heavy metal ions in herbal plant samples. *Journal of AOAC INTERNATIONAL*, **2014**, 97, 1189-94	1.7	9
134	Speciation of Cr(III) and Cr(VI) in environmental samples by using coprecipitation with praseodymium(III) hydroxide and determination by flame atomic absorption spectrometry. *Journal of the Iranian Chemical Society*, **2012**, 9, 263-267	2	9
133	Determination of Some Heavy Metals by Flame Atomic Absorption Spectrometry Before Coprecipitation with Neodymium Hydroxide. *Journal of AOAC INTERNATIONAL*, **2011**, 94, 978-984	1.7	9
132	Solid phase extraction and spectrophotometric determination of trace amounts of thiocyanate in real samples. *Annali Di Chimica*, **2006**, 96, 689-96		9
131	Dispersive Liquid-Liquid Microextraction and Microsample Injection Flame Atomic Absorption Spectrometry Combination for Copper(II)-3-hydroxy-4-methyl-2(3H)-thiazolethione Chelates. *Atomic Spectroscopy*, **2013**, 34, 175-180	2.8	9
130	Use of Modified Diethylamine Phosphorus-containing Polymer for Solid Phase Extraction of Cobalt and Lead in Fruit Samples Employing Flame Atomic Absorption Spectrometry. *Atomic Spectroscopy*, **2014**, 35, 163-167	2.8	9
129	1-nitroso-2-naphthol impregnated multiwalled carbon nanotubes (NNMWCNTs) for the separation-enrichment and flame atomic absorption spectrometric detection of copper and lead in hair, water, and food samples **2017**, 87, 285-291		9
128	Switchable-hydrophilicity solvent liquid-liquid microextraction prior to magnetic nanoparticle-based dispersive solid-phase microextraction for spectrophotometric determination of erythrosine in food and other samples. *Food Chemistry*, **2021**, 348, 129053	8.5	9
127	Trace analysis of quercetin in tea samples by HPLC-DAD system by means of a new nanocomposite including magnetic core-shell. *Separation Science and Technology*, **2020**, 55, 2025-2036	2.5	9
126	Effect of antimonite mineralization area on heavy metal contents and geochemical fractions of agricultural soils in G□h□ane Province, Turkey. *Catena*, **2020**, 184, 104255	5.8	9
125	Supramolecular solvent-based microextraction of Sudan Orange G at trace levels for its separation, preconcentration and spectrophotometric determination. *International Journal of Environmental Analytical Chemistry*, **2020**, 100, 935-944	1.8	9
124	A new strategy for the combination of supramolecular liquid phase microextraction and UV-Vis spectrophotometric determination for traces of maneb in food and water samples. *Food Chemistry*, **2021**, 338, 128068	8.5	9
123	Metal organic frameworks as nanomaterials for analysis of toxic metals in food and environmental applications. *TrAC - Trends in Analytical Chemistry*, **2021**, 143, 116417	14.6	9
122	Trace metal pollution from traffic in Denizli-Turkey during dry season. *Biomedical and Environmental Sciences*, **2006**, 19, 254-61	1.1	9
121	Trace elements in blood samples of smoker and nonsmoker active pulmonary tuberculosis patients from Jamshoro, Pakistan. *Environmental Science and Pollution Research*, **2017**, 24, 26513-26520	5.1	8
120	Solid-phase extraction of iridium from soil and water samples by using activated carbon cloth prior to its spectrophotometric determination. *Environmental Monitoring and Assessment*, **2015**, 187, 501	3.1	8
119	A multivariate study of solid phase extraction of beryllium(II) using human hair as adsorbent prior to its spectrophotometric detection. *Desalination and Water Treatment*, **2015**, 55, 1088-1095		8
118	Development of combined-supramolecular microextraction with ultra-performance liquid chromatography-tandem mass spectrometry procedures for ultra-trace analysis of carbaryl in water, fruits and vegetables. *International Journal of Environmental Analytical Chemistry*, **2020**, 1-11	1.8	8

117	Supramolecular solvent microextraction of uranium at trace levels from water and soil samples. *Turkish Journal of Chemistry*, **2017**, 41, 61-69	1	8
116	Multi-Element Preconcentration/Separation of Some Metal Ions in Environmental Samples by Using Co-precipitation. *Journal of AOAC INTERNATIONAL*, **2016**, 99, 1051-1057	1.7	8
115	Combination of flotation and flame atomic absorption spectrometry for determination, preconcentration and separation of trace amounts of metal ions in biological samples. *Human and Experimental Toxicology*, **2013**, 32, 504-12	3.4	8
114	Spectrophotometric Determination of Gold (III) after Liquid–liquid Extraction and Selective Pre-concentration with a Novel Dibenzo-18-Crown-6 Derivative. *Geostandards and Geoanalytical Research*, **2011**, 35, 471-483	3.6	8
113	Electrical Conductivity of Chloro(phenyl)glyoxime and Its Co(II), Ni(II) and Cu(II) Complexes. *Collection of Czechoslovak Chemical Communications*, **2003**, 68, 1233-1242		8
112	Micelle-based restricted access ion-pair microextraction of phosphate at trace levels in water samples for separation, preconcentration and determination. *The EuroBiotech Journal*, **2020**, 4, 89-96	1.5	8
111	Evaluation of Metal Concentrations in Food Packaging Materials: Relation to Human Health. *Atomic Spectroscopy*, **2013**, 34, 99-103	2.8	8
110	Magnetic Solid Phase Extraction of Lead, Cadmium, and Cobalt on Magnetic Carboxyl-Modified Nanodiamonds (MCNDs) from Natural Water Samples and Their Determination by Flame Atomic Absorption Spectrometry. *Atomic Spectroscopy*, **2018**, 39, 81-89	2.8	8
109	Nano-clay as a solid phase microextractor of copper, cadmium and lead for ultra-trace quantification by ICP-MS. *Analytical Methods*, **2020**, 12, 4949-4955	3.2	8
108	Application of magnetic nanomaterials in bioanalysis. *Talanta*, **2021**, 229, 122285	6.2	8
107	A green, novel and simple microprecipitation technique for separation and preconcentration of cadmium with 1-(2-thiazolylazo)-2-naphthol in food samples and determination by microsampling flame atomic absorption spectrometry. *Analytical Methods*, **2016**, 8, 3545-3549	3.2	8
106	Comparison of Cd(II) preconcentrations by using magnetized Pleurotus erygnii and Coprinus micaceus and its determination in real samples. *Microchemical Journal*, **2019**, 144, 19-25	4.8	8
105	Electrocatalytic evaluation of graphene oxide warped tetragonal t-lanthanum vanadate (GO@LaVO) nanocomposites for the voltammetric detection of antifungal and antiprotozoal drug (clioquinol). *Mikrochimica Acta*, **2021**, 188, 102	5.8	8
104	Deep Eutectic Solvent-Based Microextraction of Lead(II) Traces from Water and Aqueous Extracts before FAAS Measurements. *Molecules*, **2020**, 25,	4.8	7
103	A new green microextraction method for traces Brown HT (E155) by using deep eutectic solvents prior to its spectrophotometric determination. *International Journal of Environmental Analytical Chemistry*, **2019**, 1-11	1.8	7
102	Copper, iron, and lead levels in fertilizer and water samples: separation and preconcentration on multiwaled carbon nanotubes. *Desalination and Water Treatment*, **2013**, 51, 7296-7303		7
101	Determination of Au(III) and Pd(II) ions by flame atomic absorption spectrometry in some environmental samples after solid phase extraction. *Toxicological and Environmental Chemistry*, **2017**, 99, 590-600	1.4	7
100	Preconcentration of some trace metal ions on coated alumina modified by 1-((6-(-(2-hydroxynaphthalen-1-yl)methyleneamino) hexylimino) methyl) naphthalen-2-ol. *Toxicological and Environmental Chemistry*, **2011**, 93, 860-872	1.4	7

99	Development of an Efficient Procedure for Determination of Copper, Zinc and Iron after Solid Phase Extraction on 3-(1-(1-H-Indol-3-yl)-3-Phenylallyl)-1H-Indole Loaded on Duolite XAD 761. *Journal of the Chinese Chemical Society*, **2010**, 57, 275-283	1.5	7
98	Neodymium(III) Hydroxide Coprecipitation-FAAS System for the Speciation of Chromium in Natural Waters. *Atomic Spectroscopy*, **2013**, 34, 216-220	2.8	7
97	Assessment of Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Cd, and Pb Concentrations in Gluten-free Foods From Saudi Arabia by Inductively Coupled Plasma Mass Spectrometry. *Atomic Spectroscopy*, **2015**, 36, 254-260	2.8	7
96	Determination of Copper Using Supramolecular Solvent-based Microextraction for Food, Spices, and Water Samples Prior to Analysis by Flame Atomic Absorption Spectrometry. *Atomic Spectroscopy*, **2019**, 40, 17-23	2.8	7
95	An application of sorbent extraction procedure on chromotrope 2R-coated amberlite XAD-1180 for the atomic absorption spectrometric determinations of copper, iron and lead ions in natural water samples. *Trace Elements and Electrolytes*, **2003**, 20, 160-165	1.8	7
94	An efficient green microextraction method of Co and Cu in environmental samples prior to their flame atomic absorption spectrometric detection. *International Journal of Environmental Analytical Chemistry*,1-14	1.8	7
93	A selective and sensitive procedure for magnetic solid-phase microextraction of lead(II) on magnetic cellulose nanoparticles from environmental samples prior to its flame atomic absorption spectrometric detection. *Journal of the Iranian Chemical Society*, **2021**, 18, 1005-1013	2	7
92	Ultrasound-assisted deep eutectic solvent microextraction procedure for traces Ponceau 4R in water and cosmetic samples. *International Journal of Environmental Science and Technology*,1	3.3	7
91	Optimization of covalent immobilization of Trichoderma reesei cellulase onto modified ReliZyme HA403 and Sepabeads EC-EP supports for cellulose hydrolysis, in buffer and ionic liquids/buffer media. *Artificial Cells, Nanomedicine and Biotechnology*, **2016**, 44, 1276-84	6.1	6
90	One step hydrothermal synthesis and characterization of moss like MWCNT-BiS nanomaterial for solid phase extraction of copper. *Talanta*, **2017**, 174, 645-651	6.2	6
89	Evaluation of metal contents of household detergent samples from Turkey by flame atomic absorption spectrometry. *Environmental Monitoring and Assessment*, **2013**, 185, 9663-8	3.1	6
88	Preconcentration/Separation of Some Metal Ions Using Sodium Dodecyl Sulfate Coated Alumina Modified with Bis(5-bromo-2-hydroxy-benzaldehyde)-2-methyl-1,5-pentane Diimine (BBHBPDI) Prior to Their Flame-AAS Determination. *Chinese Journal of Chemistry*, **2011**, 29, 2141-2147	4.9	6
87	New bis- and tetrakis-1,2,3-triazole derivatives: Synthesis, DNA cleavage, molecular docking, antimicrobial, antioxidant activity and acid dissociation constants. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 55, 128453	2.9	6
86	Enrichment and Separation of Fe(III), Mn(II), Ni(II), and Zn(II) as Their Congo Red Chelates on Multiwalled Carbon Nanotube (MWCNT) Disk in Food and Water Samples. *Atomic Spectroscopy*, **2013**, 34, 20-25	2.8	6
85	Membrane Filtration of Lead, Cobalt, and Nickel in Water and Fertilizer Samples for Enrichment/Separation and Flame Atomic Absorption Spectrometric Determination. *Atomic Spectroscopy*, **2014**, 35, 163-167	2.8	6
84	Application of Wet vs. Microwave Digestion for Trace Element Determination in Soil, Vegetable, Nuts, and Grain Samples by ICP-OES. *Atomic Spectroscopy*, **2015**, 36, 159-164	2.8	6
83	Assessment of Relationship Between Geochemical Fractions of Barium in Soil of Cherry Orchards and Plant Barium Uptake and Determination by Inductively Coupled Plasma Optical Emission Spectrometry. *Atomic Spectroscopy*, **2019**, 40, 173-178	2.8	6
82	Solid-phase extraction of copper as 1-(2-pyridylazo)-2-naphthol (PAN) chelates on Coprinus atramentaria. *International Journal of Environmental Analytical Chemistry*, **2020**, 100, 992-1003	1.8	6

81	Phallus impudicus loaded with Fe2O3 as solid phase bioextractor for the preconcentrations of Zn(II) and Cr(III) from water and food samples. *Process Biochemistry*, **2020**, 92, 149-155	4.8	6
80	Sensitive determination of Fluoxetine and Citalopram antidepressants in urine and wastewater samples by liquid chromatography coupled with photodiode array detector. *Journal of Chromatography A*, **2021**, 1648, 462215	4.5	6
79	Silica Gel-Immobilized 5-aminoisophthalohydrazide: A novel sorbent for solid phase extraction of Cu, Zn and Pb from natural water samples. *Applied Organometallic Chemistry*, **2020**, 34, e5481	3.1	5
78	Comparative solid phase extraction study on the U(VI) preconcentration by using immobilized thermotolerant Bacillus vallismortis and Bacillus mojavensis. *Journal of Radioanalytical and Nuclear Chemistry*, **2018**, 315, 185-193	1.5	5
77	Flame Atomic Absorption Spectrometric Determination of Gold After Solid-Phase Extraction of Its 2-Aminobenzothiazole Complex on Diaion SP-207. *Journal of AOAC INTERNATIONAL*, **2016**, 99, 534-8	1.7	5
76	A New pH Indicator Based on 2,5-Diaryl-1-salicylideneamino-1,3,4-triazole Derivative. *Chinese Journal of Chemistry*, **2008**, 26, 143-145	4.9	5
75	Vortex-assisted Dispersive Liquid-Liquid Microextraction of Pb(II) as 2-hydroxypyridine-3-carboxylic Acid Chelates From Food and Water Samples Prior to Flame Atomic Absorption Spectrometric Determination. *Atomic Spectroscopy*, **2016**, 37, 108-113	2.8	5
74	Dispersive Liquid-Liquid Microextraction of Lead(II) as Tropaeolin OOO Chelates From Environmental Samples Prior to Microsampling Flame Atomic Absorption Spectrometry. *Atomic Spectroscopy*, **2018**, 39, 112-117	2.8	5
73	Ultrasound assisted deep eutectic solvent based liquid phase microextraction for the preconcentration and spectrophotometric determination of amaranth (E123) in water and food samples. *Instrumentation Science and Technology*,1-16	1.4	5
72	Type of green solvents used in separation and preconcentration methods **2020**, 207-266		5
71	Advanced Methodologies for Trace Elements in Edible Oil Samples: A Review. *Critical Reviews in Analytical Chemistry*, **2021**, 1-20	5.2	5
70	Highly selective simultaneous electrochemical detection of trace level of heavy metals in water samples based on the single-crystalline Co3O4 nanocubes modified electrode. *Journal of Electroanalytical Chemistry*, **2021**, 887, 115159	4.1	5
69	Polyethersulfone membranes modified with CZTS nanoparticles for protein and dye separation: Improvement of antifouling and self-cleaning performance. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 616, 126230	5.1	5
68	Comparative study for the separation, preconcentration, and determination of copper and cadmium in real samples by using two different ligands. *Turkish Journal of Chemistry*, **2016**, 40, 93-105	1	5
67	Simultaneous preconcentrations of Cu(II), Ni(II), and Pb(II) by SPE using E. profundum loaded onto Amberlite XAD-4. *Microchemical Journal*, **2021**, 171, 106758	4.8	5
66	A new preconcentration and separation method for flame atomic absorption spectrometric determinations of some trace metal ions on a Diaion HP-20 column. *Annali Di Chimica*, **2001**, 91, 637-47		5
65	The separation preconcentration and determination of ultra-trace gold in water and solid samples by dispersive liquid liquid microextraction using 4-ethyl-1(2-(4-(4-nitrophenyl)piperazin-1-yl)acetyl)thiosemicarbazide) as chelating agent and flame atomic absorption spectrometry. *Journal of the Iranian Chemical Society*, **2018**, 15, 1347-1354	2	4
64	Solid-phase extraction of copper and zinc in water samples using diethylamine-modified phosphorus-containing polymer. *Desalination and Water Treatment*, **2016**, 57, 2834-2842		4

63	Separation and Enrichment of Gold in Water, Geological and Environmental Samples by Solid Phase Extraction on Multiwalled Carbon Nanotubes Prior to its Determination by Flame Atomic Absorption Spectrometry. *Journal of AOAC INTERNATIONAL*, **2015**, 98, 1733-8	1.7	4
62	Preconcentrations of Cu (II) and Mn (II) by magnetic solid-phase extraction on Bacillus cereus loaded FeO nanomaterials.. *Environmental Research*, **2022**, 209, 112766	7.9	4
61	Determination of Lead(II) as Brillant Black BN Chelates in Water and Soil Samples After Separation-Preconcentration on Cellulose Nitrate Membrane Filter. *Atomic Spectroscopy*, **2015**, 36, 49-53	2.8	4
60	Coprecipitation of Fe(III), Mn(II), Cu(II), Pb(II), Co(II), and Ni(II) With Ytterbium Hydroxide for Separation and Preconcentration Prior to Determination by FAAS. *Atomic Spectroscopy*, **2015**, 36, 165-170	2.8	4
59	Supramolecular Solvent-based Microextraction of Copper at Trace Levels Before Determination by Microsampling Flame Atomic Absorption Spectrometry. *Atomic Spectroscopy*, **2016**, 37, 158-163	2.8	4
58	Application of Supramolecular Microextraction and Flame Atomic Absorption Spectrometry for Ultra-trace Determination of Cadmium in Food and Water Samples. *Atomic Spectroscopy*, **2017**, 38, 51-56	2.8	4
57	Synthesis, Biological Evaluation, Molecular Docking, and Acid Dissociation Constant of New Bis-1,2,3-triazole Compounds. *ChemistrySelect*, **2021**, 6, 6994-7001	1.8	4
56	Switchable-hydrophilicity solvent liquid-liquid microextraction for sample cleanup prior to dispersive magnetic solid-phase microextraction for spectrophotometric determination of quercetin in food samples. *Sustainable Chemistry and Pharmacy*, **2021**, 22, 100480	3.9	4
55	An environmentally friendly, simple and novel microextraction procedure for copper at trace level from urine, sweat, dialysis solution and water samples before its FAAS detection. *International Journal of Environmental Analytical Chemistry*, **2020**, 1-12	1.8	3
54	Spectrophotometric determination of traces allura red in environmental samples after a deep eutectic solvent-based microextraction. *International Journal of Environmental Analytical Chemistry*, **2020**, 1-11	1.8	3
53	Solid phase extraction of Pb(II) and Cd(II) as 2,9 dimethyl-4,7-diphenyl-1,10-phenanthroline chelates on activated carbon cloth in environmental samples and their determination by flame atomic absorption spectrometry. *International Journal of Environmental Analytical Chemistry*, **2016**, 1-10	1.8	3
52	Membrane Filtration of Nickel(II) on Cellulose Acetate Filters for Its Preconcentration, Separation, and Flame Atomic Absorption Spectrometric Determination. *Clean - Soil, Air, Water*, **2010**, 38, NA-NA	1.6	3
51	Exhaled breath condensate magnesium levels of infants with bronchiolitis. *Turkish Journal of Pediatrics*, **2018**, 60, 535-539	0.7	3
50	Assessment of Heavy Metal Levels in Street Dust Samples from Denizli, Turkey, and Analysis by Flame Atomic Absorption Spectrometry. *Atomic Spectroscopy*, **2016**, 37, 25-29	2.8	3
49	Activated Carbon Cloth (ACC) as Efficient Adsorbent for Trace Cu(II), Co(II), Cd(II), Pb(II), Mn(II), and Ni(II) as O-O-diethylphosphorodithioic Acid Chelates for the Enrichment From Water and Soil Samples. *Atomic Spectroscopy*, **2017**, 38, 65-70	2.8	3
48	Removal of some heavy metal ions from water using novel adsorbent based on iron oxide-doped sol-gel organic-inorganic hybrid nanocomposite: equilibrium and kinetic study147, 173-182		3
47	Hydrolytic enzyme modified magnetic nanoparticles: An innovative and green microextraction system for inorganic species in food samples. *Analytica Chimica Acta*, **2021**, 1178, 338808	6.6	3
46	Ionic liquids in separation and preconcentration of organic and inorganic species **2020**, 267-318		2

45	Switchable solvents in separation and preconcentration of organic and inorganic species **2020**, 347-380		2
44	Solid-phase extraction of lead and copper on a polyhydroxybutyrate-b-polydimethyl siloxane (PHB-b-PDMS) block copolymer disc and flame atomic absorption spectrometric determination of them in water and food samples. *International Journal of Food Science and Technology*, **2013**, 48, n/a-n/a	3.8	2
43	Preconcentrations of Zn(II) and Hg(II) in Environmental and Food Samples by SPE on B. licheniformis Loaded Amberlite XAD-4. *Biological Trace Element Research*, **2021**, 1	4.5	2
42	A Strategy Based on the Dispersive Liquid-Liquid Microextraction of Cadmium in Environmental Samples Prior to Its Determination by Flame Atomic Absorption Spectrometry. *Atomic Spectroscopy* , **2018**, 39, 46-54	2.8	2
41	Development of Armillae mellea immobilized nanodiamond for the preconcentrations of Cr(III), Hg(II) and Zn(II). *Analytical Biochemistry*, **2021**, 617, 114122	3.1	2
40	A new method for the preconcentrations of U(VI) and Th(IV) by magnetized thermophilic bacteria as a novel biosorbent. *Analytical and Bioanalytical Chemistry*, **2021**, 413, 1107-1116	4.4	2
39	Vortex-assisted magnetic solid phase extraction of Pb and Cu in some herb samples on magnetic multiwalled carbon nanotubes. *Turkish Journal of Chemistry*, **2021**, 45, 210-218	1	2
38	CuCo2O4 as affective adsorbent for dispersive solid-phase extraction of lead from food, cigarette and water samples before FAAS detection. *Chemical Papers*, **2021**, 75, 6367	1.9	2
37	A novel method for speciation of chromium: coprecipitation without carrier element by using a triazole derivative. *Journal of AOAC INTERNATIONAL*, **2009**, 92, 257-62	1.7	2
36	Fabrication and characterization of MgCo2O4 for solid phase extraction of Pb(II) from environmental samples and its detection with high-resolution continuum source flame atomic absorption spectrometry (HR-CS-FAAS). *Microchemical Journal*, **2022**, 178, 107329	4.8	2
35	Determination of propineb in vegetable samples after a coprecipitation strategy for its separation-preconcentration prior to its indirect determination by FAAS.. *Food Chemistry*, **2022**, 388, 133002	8.5	2
34	Investigation some characteristics of chicken feather rachis. *IOP Conference Series: Materials Science and Engineering*, **2017**, 254, 192013	0.4	1
33	Selective Solid Phase Extraction for Separation and Preconcentration of Palladium from Gold Ore and Anode Slime after Complexation with a N4O2 Mixed Donor Ligand Derivative. *Clean - Soil, Air, Water*, **2010**, 38, n/a-n/a	1.6	1
32	Metal Organic Framework-Based Dispersive Solid-Phase Microextraction of Carbaryl from Food and Water Prior to Detection by Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry. *Separations*, **2022**, 9, 32	3.1	1
31	Electrospun Composite Nanofibers Based on Poly (ε-Caprolactone) and Styrax Liquidus (Liquidambar orientalis Miller) as a Wound Dressing: Preparation, Characterization, Biological and Cytocompatibility Results. *Journal of Polymers and the Environment*, **2022**, 1	4.5	1
30	Dual-response electrochemical electrode for sensitive monitoring of topotecan and mitomycin as anticancer drugs in real samples. *Chemosphere*, **2021**, 291, 132809	8.4	1
29	A novel-easy deep eutectic solvent-based microextraction procedure for the separation, preconcentration and spectrophotometric determination of chromotrope 2R in water, detergent and food samples. *International Journal of Environmental Analytical Chemistry*,1-10	1.8	1
28	Magnetic dispersive solid phase extraction of lead(II) as dithizone chelates in food and environmental samples on Fe3O4@XAD-8 prior to its flame atomic absorption spectrometric detection. *International Journal of Environmental Analytical Chemistry*, **2020**, 1-12	1.8	1

27	An easy and green amine-based microextraction strategy combined UV/Vis spectrophotometric detection for mercury in natural water samples. *Journal of the Iranian Chemical Society*, **2021**, 18, 3069	2	1
26	Ultrasound assisted supramolecular liquid phase microextraction procedure for Sudan I at trace level in environmental samples. *Turkish Journal of Chemistry*, **2021**, 45, 1327-1335	1	1
25	New Trend in the Extraction of Pesticides from the Environmental and Food Samples Applying Microextraction Based Green Chemistry Scenario: A Review. *Critical Reviews in Analytical Chemistry*, **2021**, 1-27	5.2	1
24	Ultrasound assisted magnetic solid phase extraction of copper(II) and lead(II) in environmental samples on Magnetic Activated Carbon Cloth. *International Journal of Environmental Analytical Chemistry*,1-13	1.8	1
23	Simultaneous enrichment-separation of metal ions from environmental samples by solid-phase extraction using double-walled carbon nanotubes. *Journal of AOAC INTERNATIONAL*, **2009**, 92, 1219-24	1.7	1
22	Selective preconcentration/separation of copper(II), iron(III), and lead(II) as their N'-benzoyl-N,N-diisobutylthiourea chelates on Amberlite XAD-16 resin. *Journal of AOAC INTERNATIONAL*, **2010**, 93, 720-4	1.7	1
21	Use of multiwalled carbon nanotube disks for the SPE of some heavy metals as 8-hydroxquinoline complexes. *Journal of AOAC INTERNATIONAL*, **2011**, 94, 1297-303	1.7	1
20	Cloud Point Microextraction of Sudan IV from Food and Cosmetics with Determination by Spectrophotometry. *Analytical Letters*,1-12	2.2	1
19	Preconcentration of Nickel by Magnetic Solid-Phase Extraction (MSPE) as the 2-(5-Bromo-2-Pyridylazo)-5-Diethylamino-Phenol (PADAP) Chelate upon Multiwalled Carbon Nanotubes (MWCNTs) with Determination by Flame Atomic Absorption Spectrometry (FAAS). *Analytical Letters*,1-15	2.2	1
18	Vortex-assisted restricted access-based supramolecular solvent microextraction of trace Pb(II) ions with 4-(benzimidazolisonitrosoacetyl)biphenyl as a complexing agent before microsampling flame AAS analysis. *Talanta*, **2022**, 248, 123651	6.2	1
17	Type of new generation separation and preconcentration methods **2020**, 75-148		0
16	Deep eutectic solvent in separation and preconcentration of organic and inorganic species **2020**, 381-423		0
15	Deep eutectic solvents in microextraction **2021**, 471-512		0
14	Cadmium selenide and carbon nanodots modified magnetite nanospheres for the magnetic solid-phase extraction (MSPE) of malachite green prior to spectrophotometric determination. *Instrumentation Science and Technology*,1-15	1.4	0
13	Investigation of Trace Elements in Vegan Foods by ICP-MS After Microwave Digestion.. *Biological Trace Element Research*, **2022**, 1	4.5	0
12	Review: Microextraction Technique Based New Trends in Food Analysis. *Critical Reviews in Analytical Chemistry*, **2020**, 1-32	5.2	0
11	Biomass-Derived Adsorbent for Dispersive Solid-Phase Extraction of Cr(III), Fe(III), Co(II) and Ni(II) from Food Samples Prior to ICP-MS Detection. *Applied Sciences (Switzerland)*, **2021**, 11, 7792	2.6	0
10	Magnetic Dispersive Solid Phase Extraction of Cu (II) as 1- (2-pyridylazo)-2-naphthol Chelates on Fe3O4@XAD-16 **2021**, 45, 1971		0

9	Metal decorated silica-based core-shell magnetic nanocomposite for the solid-phase microextraction of cadmium(II) with determination by high-resolution continuum source flame atomic absorption spectrometry. *Instrumentation Science and Technology*,1-17	1.4	0
8	A reusable and sensitive electrochemical sensor for determination of Allura red in the presence of Tartrazine based on functionalized nanodiamond@SiO@TiO; an electrochemical and molecular docking investigation.. *Food and Chemical Toxicology*, **2022**, 164, 113080	4.7	0
7	Historical backgrounds, milestones in the field of development of separation and preconcentration methods **2020**, 1-43		
6	Supramolecular solvents in separation and preconcentration of organic and inorganic species **2020**, 319-346		
5	Solid phase extraction of trace level Ag(I) using Coriolus versicolor immobilized magnetic nanoparticles and its determination by ICP-OES. *Environmental Progress and Sustainable Energy*, **2019**, 38, e13251	2.5	
4	Use of magnetic hybrid nanomaterials in environmental applications **2022**, 187-211		
3	Development of a new system for reducing the temperature increase during the positioning of spoilers using pneumatic artificial muscle (PAM). *Aircraft Engineering and Aerospace Technology*, **2020**, 92, 1257-1261	1.2	
2	Nanotechnological Developments in Nanofiber-Based Membranes Used for Water Treatment Applications. *Environmental Chemistry for A Sustainable World*, **2021**, 205-259	0.8	
1	Determination of some heavy metals by flame atomic absorption spectrometry before coprecipitation with neodymium hydroxide. *Journal of AOAC INTERNATIONAL*, **2011**, 94, 978-84	1.7	