

Mustafa Tuzen

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

251
papers

15,909
citations

74
h-index

117
g-index

257
ext. papers

17,529
ext. citations

6.5
avg, IF

7.38
L-index

#	Paper	IF	Citations
251	Solid phase extraction of heavy metal ions in environmental samples on multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2008 , 152, 632-9	12.8	380
250	Kinetic and equilibrium studies of biosorption of Pb(II) and Cd(II) from aqueous solution by macrofungus (<i>Amanita rubescens</i>) biomass. <i>Journal of Hazardous Materials</i> , 2009 , 164, 1004-11	12.8	318
249	Equilibrium, kinetic and thermodynamic studies of adsorption of Pb(II) from aqueous solution onto Turkish kaolinite clay. <i>Journal of Hazardous Materials</i> , 2007 , 149, 283-91	12.8	314
248	Multiwalled carbon nanotubes for speciation of chromium in environmental samples. <i>Journal of Hazardous Materials</i> , 2007 , 147, 219-25	12.8	304
247	Effective adsorption of antimony(III) from aqueous solutions by polyamide-graphene composite as a novel adsorbent. <i>Chemical Engineering Journal</i> , 2017 , 307, 230-238	14.7	268
246	Equilibrium, thermodynamic and kinetic studies on biosorption of Pb(II) and Cd(II) from aqueous solution by macrofungus (<i>Lactarius scrobiculatus</i>) biomass. <i>Chemical Engineering Journal</i> , 2009 , 151, 255-261	14.7	267
245	Determination of heavy metals in fish samples of the middle Black Sea (Turkey) by graphite furnace atomic absorption spectrometry. <i>Food Chemistry</i> , 2003 , 80, 119-123	8.5	259
244	Preconcentration of some trace elements via using multiwalled carbon nanotubes as solid phase extraction adsorbent. <i>Journal of Hazardous Materials</i> , 2009 , 169, 466-71	12.8	255
243	Determination of heavy metals in soil, mushroom and plant samples by atomic absorption spectrometry. <i>Microchemical Journal</i> , 2003 , 74, 289-297	4.8	252
242	Toxic and essential trace elemental contents in fish species from the Black Sea, Turkey. <i>Food and Chemical Toxicology</i> , 2009 , 47, 1785-90	4.7	246
241	Biosorption of total chromium from aqueous solution by red algae (<i>Ceramium virgatum</i>): equilibrium, kinetic and thermodynamic studies. <i>Journal of Hazardous Materials</i> , 2008 , 160, 349-55	12.8	238
240	Biosorption of cadmium(II) from aqueous solution by red algae (<i>Ceramium virgatum</i>): equilibrium, kinetic and thermodynamic studies. <i>Journal of Hazardous Materials</i> , 2008 , 157, 448-54	12.8	229
239	A novel preconcentration procedure using cloud point extraction for determination of lead, cobalt and copper in water and food samples using flame atomic absorption spectrometry. <i>Food and Chemical Toxicology</i> , 2010 , 48, 1399-404	4.7	224
238	Biosorption of Pb(II) and Cd(II) from aqueous solution using green alga (<i>Ulva lactuca</i>) biomass. <i>Journal of Hazardous Materials</i> , 2008 , 152, 302-8	12.8	222
237	Biosorption of Pb(II) and Cr(III) from aqueous solution by lichen (<i>Parmelina tiliaceae</i>) biomass. <i>Bioresource Technology</i> , 2008 , 99, 2972-80	11	219
236	Biosorption of Cd(II) and Cr(III) from aqueous solution by moss (<i>Hylocomium splendens</i>) biomass: Equilibrium, kinetic and thermodynamic studies. <i>Chemical Engineering Journal</i> , 2008 , 144, 1-9	14.7	215
235	<i>Pseudomonas aeruginosa</i> immobilized multiwalled carbon nanotubes as biosorbent for heavy metal ions. <i>Bioresource Technology</i> , 2008 , 99, 1563-70	11	212

234	Adsorption of Pb(II) and Cr(III) from aqueous solution on Celtek clay. <i>Journal of Hazardous Materials</i> , 2007 , 144, 41-6	12.8	209
233	Adsorption characteristics of Cu(II) and Pb(II) onto expanded perlite from aqueous solution. <i>Journal of Hazardous Materials</i> , 2007 , 148, 387-94	12.8	208
232	Polyethylenimine modified activated carbon as novel magnetic adsorbent for the removal of uranium from aqueous solution. <i>Chemical Engineering Research and Design</i> , 2017 , 117, 218-227	5.5	198
231	Effective removal of methylene blue from aqueous solutions using magnetic loaded activated carbon as novel adsorbent. <i>Chemical Engineering Research and Design</i> , 2017 , 122, 151-163	5.5	187
230	Biosorption of Pb(II) and Ni(II) from aqueous solution by lichen (<i>Cladonia furcata</i>) biomass. <i>Biochemical Engineering Journal</i> , 2007 , 37, 151-158	4.2	182
229	Biosorption of selenium from aqueous solution by green algae (<i>Cladophora hutchinsiae</i>) biomass: Equilibrium, thermodynamic and kinetic studies. <i>Chemical Engineering Journal</i> , 2010 , 158, 200-206	14.7	177
228	Trace metal content in nine species of fish from the Black and Aegean Seas, Turkey. <i>Food Chemistry</i> , 2007 , 104, 835-840	8.5	167
227	Multi-element pre-concentration of heavy metal ions by solid phase extraction on Chromosorb 108. <i>Analytica Chimica Acta</i> , 2005 , 548, 101-108	6.6	162
226	Biosorption of palladium(II) from aqueous solution by moss (<i>Racomitrium lanuginosum</i>) biomass: equilibrium, kinetic and thermodynamic studies. <i>Journal of Hazardous Materials</i> , 2009 , 162, 874-9	12.8	157
225	Determination of rhodamine B in soft drink, waste water and lipstick samples after solid phase extraction. <i>Food and Chemical Toxicology</i> , 2011 , 49, 1796-9	4.7	154
224	Mercury(II) and methyl mercury determinations in water and fish samples by using solid phase extraction and cold vapour atomic absorption spectrometry combination. <i>Food and Chemical Toxicology</i> , 2009 , 47, 1648-52	4.7	149
223	Polyamide magnetic palygorskite for the simultaneous removal of Hg(II) and methyl mercury; with factorial design analysis. <i>Journal of Environmental Management</i> , 2018 , 211, 323-333	7.9	144
222	Trace element levels of mushroom species from East Black Sea region of Turkey. <i>Food Control</i> , 2007 , 18, 806-810	6.2	133
221	Novel solid phase extraction procedure for gold(III) on Dowex M 4195 prior to its flame atomic absorption spectrometric determination. <i>Journal of Hazardous Materials</i> , 2008 , 156, 591-5	12.8	132
220	Equilibrium, thermodynamic and kinetic investigations on biosorption of arsenic from aqueous solution by algae (<i>Maugeotia genuflexa</i>) biomass. <i>Chemical Engineering Journal</i> , 2011 , 167, 155-161	14.7	130
219	Arsenic speciation in natural water samples by coprecipitation-hydride generation atomic absorption spectrometry combination. <i>Talanta</i> , 2009 , 78, 52-6	6.2	129
218	Determination of trace metals in canned fish marketed in Turkey. <i>Food Chemistry</i> , 2007 , 101, 1378-1382	8.5	129
217	Characterization of biosorption process of As(III) on green algae <i>Ulothrix cylindricum</i> . <i>Journal of Hazardous Materials</i> , 2009 , 165, 566-72	12.8	127

216	Biosorptive removal of mercury(II) from aqueous solution using lichen (<i>Xanthoparmelia conspersa</i>) biomass: kinetic and equilibrium studies. <i>Journal of Hazardous Materials</i> , 2009 , 169, 263-70	12.8	127
215	Flame atomic absorption spectrometric determination of cadmium(II) and lead(II) after their solid phase extraction as dibenzylthiocarbamate chelates on Dowex Optipore V-493. <i>Analytica Chimica Acta</i> , 2006 , 578, 213-9	6.6	126
214	Aluminium determination in environmental samples by graphite furnace atomic absorption spectrometry after solid phase extraction on Amberlite XAD-1180/pyrocatechol violet chelating resin. <i>Talanta</i> , 2004 , 63, 411-8	6.2	126
213	Coprecipitation of gold(III), palladium(II) and lead(II) for their flame atomic absorption spectrometric determinations. <i>Journal of Hazardous Materials</i> , 2008 , 152, 656-61	12.8	125
212	Chromium speciation in environmental samples by solid phase extraction on Chromosorb 108. <i>Journal of Hazardous Materials</i> , 2006 , 129, 266-73	12.8	125
211	Response surface optimization, kinetic and thermodynamic studies for effective removal of rhodamine B by magnetic AC/CeO nanocomposite. <i>Journal of Environmental Management</i> , 2018 , 206, 170-177	7.9	123
210	Optimization of parameters with experimental design for the adsorption of mercury using polyethylenimine modified-activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 1079-1088	6.8	121
209	Chromium speciation by solid phase extraction on Dowex M 4195 chelating resin and determination by atomic absorption spectrometry. <i>Journal of Hazardous Materials</i> , 2008 , 153, 1009-14	12.8	121
208	Biosorption of As(III) and As(V) from aqueous solution by macrofungus (<i>Inonotus hispidus</i>) biomass: equilibrium and kinetic studies. <i>Journal of Hazardous Materials</i> , 2009 , 164, 1372-8	12.8	120
207	Determination of trace metals in different fish species and sediments from the River Yeşilirmak in Tokat, Turkey. <i>Food and Chemical Toxicology</i> , 2010 , 48, 1383-92	4.7	119
206	Equilibrium, thermodynamic and kinetic studies on adsorption of Sb(III) from aqueous solution using low-cost natural diatomite. <i>Chemical Engineering Journal</i> , 2010 , 162, 521-527	14.7	116
205	Removal of mercury(II) from aqueous solution using moss (<i>Drepanocladus revolvens</i>) biomass: equilibrium, thermodynamic and kinetic studies. <i>Journal of Hazardous Materials</i> , 2009 , 171, 500-7	12.8	114
204	Chitosan-modified vermiculite for As(III) adsorption from aqueous solution: Equilibrium, thermodynamic and kinetic studies. <i>Journal of Molecular Liquids</i> , 2016 , 219, 937-945	6	114
203	Magnetic activated carbon loaded with tungsten oxide nanoparticles for aluminum removal from waters. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 2853-2860	6.8	112
202	Seasonal investigation of trace element contents in commercially valuable fish species from the Black sea, Turkey. <i>Food and Chemical Toxicology</i> , 2010 , 48, 865-70	4.7	112
201	Assessment of trace element contents of chicken products from Turkey. <i>Journal of Hazardous Materials</i> , 2009 , 163, 982-7	12.8	109
200	Investigation of the levels of some element in edible oil samples produced in Turkey by atomic absorption spectrometry. <i>Journal of Hazardous Materials</i> , 2009 , 165, 724-8	12.8	107
199	Preparation, characterization and evaluation of bio-based magnetic activated carbon for effective adsorption of malachite green from aqueous solution. <i>Materials Chemistry and Physics</i> , 2018 , 220, 313-321	4.4	107

198	Comparison of dry, wet and microwave digestion methods for the multi element determination in some dried fruit samples by ICP-OES. <i>Food and Chemical Toxicology</i> , 2011 , 49, 2800-7	4.7	104
197	Determination of trace metals in the River Yeşilirmak sediments in Tokat, Turkey using sequential extraction procedure. <i>Microchemical Journal</i> , 2003 , 74, 105-110	4.8	103
196	Mercury(II) and methyl mercury speciation on Streptococcus pyogenes loaded Dowex Optipore SD-2. <i>Journal of Hazardous Materials</i> , 2009 , 169, 345-50	12.8	102
195	Levels of trace elements in the fruiting bodies of macrofungi growing in the East Black Sea region of Turkey. <i>Food Chemistry</i> , 1999 , 65, 453-460	8.5	101
194	Spectrophotometric determination of trace levels of allura red in water samples after separation and preconcentration. <i>Food and Chemical Toxicology</i> , 2011 , 49, 1183-7	4.7	100
193	Evaluation of various digestion procedures for trace element contents of some food materials. <i>Journal of Hazardous Materials</i> , 2008 , 152, 1020-6	12.8	96
192	Diaion SP-850 resin as a new solid phase extractor for preconcentration-separation of trace metal ions in environmental samples. <i>Journal of Hazardous Materials</i> , 2006 , 137, 1496-501	12.8	96
191	A preconcentration system for determination of copper and nickel in water and food samples employing flame atomic absorption spectrometry. <i>Journal of Hazardous Materials</i> , 2009 , 162, 1041-5	12.8	95
190	Analysis of heavy metals in some wild-grown edible mushrooms from the middle black sea region, Turkey. <i>Food Chemistry</i> , 2004 , 86, 547-552	8.5	94
189	Column solid-phase extraction of nickel and silver in environmental samples prior to their flame atomic absorption spectrometric determinations. <i>Journal of Hazardous Materials</i> , 2009 , 164, 1428-32	12.8	93
188	Multi-element coprecipitation for separation and enrichment of heavy metal ions for their flame atomic absorption spectrometric determinations. <i>Journal of Hazardous Materials</i> , 2009 , 162, 724-9	12.8	89
187	Optimization of microwave assisted digestion procedure for the determination of zinc, copper and nickel in tea samples employing flame atomic absorption spectrometry. <i>Journal of Hazardous Materials</i> , 2007 , 149, 264-8	12.8	88
186	Enrichment/separation of cadmium(II) and lead(II) in environmental samples by solid phase extraction. <i>Journal of Hazardous Materials</i> , 2005 , 121, 79-87	12.8	88
185	Determination of trace metal levels in seven fish species in lakes in Tokat, Turkey. <i>Food Chemistry</i> , 2005 , 90, 175-179	8.5	88
184	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. <i>Food and Chemical Toxicology</i> , 2010 , 48, 1393-8	4.7	83
183	Determination of iron, copper, manganese, zinc, lead, and cadmium in mushroom samples from Tokat, Turkey. <i>Food Chemistry</i> , 2004 , 84, 389-392	8.5	83
182	Ultrasound-assisted ionic liquid dispersive liquid-liquid microextraction combined with graphite furnace atomic absorption spectrometric for selenium speciation in foods and beverages. <i>Food Chemistry</i> , 2015 , 188, 619-24	8.5	81
181	Biosorption of copper(II), lead(II), iron(III) and cobalt(II) on Bacillus sphaericus-loaded Diaion SP-850 resin. <i>Analytica Chimica Acta</i> , 2007 , 581, 241-6	6.6	78

180	Evaluation of trace metal contents of some wild edible mushrooms from Black sea region, Turkey. <i>Journal of Hazardous Materials</i> , 2008 , 160, 462-7	12.8	78
179	Selective speciation and determination of inorganic arsenic in water, food and biological samples. <i>Food and Chemical Toxicology</i> , 2010 , 48, 41-6	4.7	76
178	Ultrasonic assisted dispersive liquid-liquid microextraction method based on deep eutectic solvent for speciation, preconcentration and determination of selenium species (IV) and (VI) in water and food samples. <i>Talanta</i> , 2017 , 175, 352-358	6.2	75
177	Study of heavy metals in some cultivated and uncultivated mushrooms of Turkish origin. <i>Food Chemistry</i> , 1998 , 63, 247-251	8.5	72
176	A highly selective and sensitive ultrasonic assisted dispersive liquid phase microextraction based on deep eutectic solvent for determination of cadmium in food and water samples prior to electrothermal atomic absorption spectrometry. <i>Food Chemistry</i> , 2018 , 253, 277-283	8.5	71
175	Solid phase extraction of lead, cadmium and zinc on biodegradable polyhydroxybutyrate diethanol amine (PHB-DEA) polymer and their determination in water and food samples. <i>Food Chemistry</i> , 2016 , 210, 115-20	8.5	71
174	Equilibrium, thermodynamic and kinetic investigations for biosorption of uranium with green algae (<i>Cladophora hutchinsiae</i>). <i>Journal of Environmental Radioactivity</i> , 2017 , 175-176, 7-14	2.4	70
173	Adsorption of silver from aqueous solution onto raw vermiculite and manganese oxide-modified vermiculite. <i>Microporous and Mesoporous Materials</i> , 2013 , 170, 155-163	5.3	70
172	Biosorption of heavy metals on <i>Aspergillus fumigatus</i> immobilized Diaion HP-2MG resin for their atomic absorption spectrometric determinations. <i>Talanta</i> , 2006 , 70, 1129-35	6.2	70
171	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. <i>Talanta</i> , 2007 , 71, 1375-81	6.2	69
170	Adsorption Characteristics of Mercury(II) Ions from Aqueous Solution onto Chitosan-Coated Diatomite. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 7524-7533	3.9	67
169	Equilibrium, thermodynamic and kinetic studies on aluminum biosorption from aqueous solution by brown algae (<i>Padina pavonica</i>) biomass. <i>Journal of Hazardous Materials</i> , 2009 , 171, 973-9	12.8	67
168	Assessment of trace element levels in Rhododendron honeys of Black Sea Region, Turkey. <i>Journal of Hazardous Materials</i> , 2008 , 156, 612-8	12.8	67
167	Celtek clay as sorbent for separation-preconcentration of metal ions from environmental samples. <i>Journal of Hazardous Materials</i> , 2006 , 136, 597-603	12.8	67
166	Microwave and Wet Digestion Procedures for Atomic Absorption Spectrometric Determination of Trace Metals Contents of Sediment Samples. <i>Analytical Letters</i> , 2004 , 37, 1925-1936	2.2	67
165	Cd(II) adsorption from aqueous solution by raw and modified kaolinite. <i>Applied Clay Science</i> , 2014 , 88-89, 63-72	5.2	66
164	Evaluation of trace element contents of dried apricot samples from Turkey. <i>Journal of Hazardous Materials</i> , 2009 , 167, 647-52	12.8	62
163	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. <i>Food and Chemical Toxicology</i> , 2009 , 47, 2302-7	4.7	61

162	Coprecipitation of trace elements with Ni ²⁺ /2-Nitroso-1-naphthol-4-sulfonic acid and their determination by flame atomic absorption spectrometry. <i>Journal of Hazardous Materials</i> , 2010 , 176, 1032-7	12.8	60
161	A simple and green deep eutectic solvent based air assisted liquid phase microextraction for separation, preconcentration and determination of lead in water and food samples by graphite furnace atomic absorption spectrometry. <i>Journal of Molecular Liquids</i> , 2018 , 259, 220-226	6	58
160	Deep eutectic solvent based advance microextraction method for determination of aluminum in water and food samples: Multivariate study. <i>Talanta</i> , 2018 , 178, 588-593	6.2	58
159	Polyhydroxybutyrate-b-polyethyleneglycol block copolymer for the solid phase extraction of lead and copper in water, baby foods, tea and coffee samples. <i>Food Chemistry</i> , 2014 , 152, 75-80	8.5	58
158	Antimony(III) Adsorption from Aqueous Solution Using Raw Perlite and Mn-Modified Perlite: Equilibrium, Thermodynamic, and Kinetic Studies. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 6877-6886	3.9	57
157	Evaluation of trace element contents in canned foods marketed from Turkey. <i>Food Chemistry</i> , 2007 , 102, 1089-1095	8.5	56
156	Column system using diaion HP-2MG for determination of some metal ions by flame atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2004 , 504, 325-334	6.6	56
155	Biosorption of antimony from aqueous solution by lichen (<i>Physcia tribacia</i>) biomass. <i>Chemical Engineering Journal</i> , 2010 , 163, 382-388	14.7	55
154	Separation and preconcentration of Cu(II), Pb(II), Zn(II), Fe(III) and Cr(III) ions with coprecipitation method without carrier element and their determination in food and water samples. <i>Food Chemistry</i> , 2015 , 177, 320-4	8.5	53
153	Ultrasound assisted deep eutectic solvent based on dispersive liquid liquid microextraction of arsenic speciation in water and environmental samples by electrothermal atomic absorption spectrometry. <i>Journal of Molecular Liquids</i> , 2017 , 242, 441-446	6	52
152	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. <i>Food and Chemical Toxicology</i> , 2011 , 49, 458-63	4.7	52
151	Speciation of Mn(II), Mn(VII) and total manganese in water and food samples by coprecipitation-atomic absorption spectrometry combination. <i>Journal of Hazardous Materials</i> , 2010 , 173, 773-7	12.8	52
150	Synthesis of silica nanoparticles grafted with copolymer of acrylic acrylamide for ultra-removal of methylene blue from aquatic solutions. <i>European Polymer Journal</i> , 2020 , 130, 109698	5.2	50
149	Pressure-assisted ionic liquid dispersive microextraction of vanadium coupled with electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 1441	3.7	50
148	Copper(II)-8-hydroxquinoline coprecipitation system for preconcentration and separation of cobalt(II) and manganese(II) in real samples. <i>Journal of Hazardous Materials</i> , 2007 , 147, 832-7	12.8	49
147	A solid phase extraction procedure for indium prior to its graphite furnace atomic absorption spectrometric determination. <i>Journal of Hazardous Materials</i> , 2006 , 129, 179-85	12.8	49
146	Kinetic and equilibrium studies of Pb(II) and Cd(II) removal from aqueous solution onto colemanite ore waste. <i>Desalination</i> , 2009 , 249, 260-266	10.3	47
145	Speciation and separation of Cr(VI) and Cr(III) using coprecipitation with Ni ²⁺ /2-Nitroso-1-naphthol-4-sulfonic acid and determination by FAAS in water and food samples. <i>Food and Chemical Toxicology</i> , 2009 , 47, 2601-5	4.7	47

144	A biosorption system for metal ions on Penicillium italicum-loaded on Sepabeads SP 70 prior to flame atomic absorption spectrometric determinations. <i>Journal of Hazardous Materials</i> , 2008 , 152, 1171-8	12.8	46
143	Magnetic stirrer induced dispersive ionic-liquid microextraction for the determination of vanadium in water and food samples prior to graphite furnace atomic absorption spectrometry. <i>Food Chemistry</i> , 2015 , 172, 161-5	8.5	45
142	Cr(VI) and Cr(III) speciation on Bacillus sphaericus loaded diaion SP-850 resin. <i>Journal of Hazardous Materials</i> , 2007 , 144, 549-55	12.8	45
141	Biosorption of aluminum on Pseudomonas aeruginosa loaded on Chromosorb 106 prior to its graphite furnace atomic absorption spectrometric determination. <i>Journal of Hazardous Materials</i> , 2008 , 154, 519-25	12.8	45
140	Separation and preconcentration of trivalent chromium in environmental waters by using deep eutectic solvent with ultrasound-assisted based dispersive liquid-liquid microextraction method. <i>Journal of Molecular Liquids</i> , 2019 , 291, 111299	6	44
139	Graphite furnace atomic absorption spectrometric detection of vanadium in water and food samples after solid phase extraction on multiwalled carbon nanotubes. <i>Talanta</i> , 2013 , 116, 205-9	6.2	43
138	Trace metal levels in mushroom samples from Ordu, Turkey. <i>Food Chemistry</i> , 2005 , 91, 463-467	8.5	43
137	A new robust, deep eutectic-based floating organic droplets microextraction method for determination of lead in a portable syringe system directly couple with FAAS. <i>Talanta</i> , 2019 , 196, 71-77	6.2	43
136	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. <i>Food and Chemical Toxicology</i> , 2012 , 50, 2709-13	4.7	41
135	Solid-phase extraction of copper, iron and zinc ions on Bacillus thuringiensis israelensis loaded on Dowex optipore V-493. <i>Journal of Hazardous Materials</i> , 2008 , 159, 335-41	12.8	41
134	Inorganic arsenic speciation in water samples by miniaturized solid phase microextraction using a new polystyrene polydimethyl siloxane polymer in micropipette tip of syringe system. <i>Talanta</i> , 2016 , 161, 450-458	6.2	41
133	A simple, rapid and green ultrasound assisted and ionic liquid dispersive microextraction procedure for the determination of tin in foods employing ETAAS. <i>Food Chemistry</i> , 2018 , 245, 380-384	8.5	40
132	Biosorption of As(III) and As(V) from Aqueous Solution by Lichen (Xanthoria parietina) Biomass. <i>Separation Science and Technology</i> , 2010 , 45, 463-471	2.5	40
131	Simultaneous ICP-OES determination of trace metals in water and food samples after their preconcentration on silica gel functionalized with N-(2-aminoethyl)-2,3-dihydroxybenzalimine. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 27, 245-250	6.3	39
130	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. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 203	3.1	39
129	Bacillus thuringiensis var. israelensis immobilized on Chromosorb 101: a new solid phase extractant for preconcentration of heavy metal ions in environmental samples. <i>Journal of Hazardous Materials</i> , 2008 , 150, 357-63	12.8	39
128	Speciation of Cr(III) and Cr(VI) in geological and water samples by ytterbium(III) hydroxide coprecipitation system and atomic absorption spectrometry. <i>Food and Chemical Toxicology</i> , 2011 , 49, 1633-7	4.7	38
127	Trace metal contents in chewing gums and candies marketed in Turkey. <i>Environmental Monitoring and Assessment</i> , 2009 , 149, 283-9	3.1	38

126	3-Ethyl-4-(p-chlorobenzylideneamino-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). <i>Journal of Hazardous Materials</i> , 2009 , 172, 395-9	12.8	38
125	Removal of Cr(VI) From Aqueous Solution by Turkish Vermiculite: Equilibrium, Thermodynamic and Kinetic Studies. <i>Separation Science and Technology</i> , 2008 , 43, 3563-3581	2.5	38
124	Determination of Lead, Copper, and Iron in Cosmetics, Water, Soil, and Food Using Polyhydroxybutyrate-B-polydimethyl Siloxane Preconcentration and Flame Atomic Absorption Spectrometry. <i>Analytical Letters</i> , 2015 , 48, 1163-1179	2.2	37
123	Selective speciation of inorganic antimony on tetraethylenepentamine bonded silica gel column and its determination by graphite furnace atomic absorption spectrometry. <i>Talanta</i> , 2013 , 107, 162-6	6.2	37
122	Facile synthesis of zinc oxide nanoparticles loaded activated carbon as an eco-friendly adsorbent for ultra-removal of malachite green from water. <i>Environmental Technology and Innovation</i> , 2021 , 21, 101305	7	36
121	A simple and sensitive vortex-assisted ionic liquid-dispersive microextraction and spectrophotometric determination of selenium in food samples. <i>Food Chemistry</i> , 2017 , 232, 98-104	8.5	34
120	Column solid-phase extraction of sunset yellow and spectrophotometric determination of its use in powdered beverage and confectionery products. <i>International Journal of Food Science and Technology</i> , 2012 , 47, 1253-1258	3.8	34
119	Determination of trace heavy metals in some textile products produced in Turkey. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2008 , 22,	1.2	34
118	5-Chloro-2-hydroxyaniline-copper(II) coprecipitation system for preconcentration and separation of lead(II) and chromium(III) at trace levels. <i>Journal of Hazardous Materials</i> , 2008 , 158, 137-41	12.8	34
117	Development of a new green non-dispersive ionic liquid microextraction method in a narrow glass column for determination of cadmium prior to couple with graphite furnace atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2014 , 812, 59-64	6.6	33
116	A newly synthesized graft copolymer for magnetic solid phase microextraction of total selenium and its electrothermal atomic absorption spectrometric determination in food and water samples. <i>Food Chemistry</i> , 2019 , 284, 1-7	8.5	32
115	Honeybees and honey as monitors for heavy metal contamination near thermal power plants in Mugla, Turkey. <i>Toxicology and Industrial Health</i> , 2016 , 32, 507-16	1.8	32
114	Pyrocatechol violet impregnated magnetic graphene oxide for magnetic solid phase microextraction of copper in water, black tea and diet supplements. <i>Food Chemistry</i> , 2020 , 321, 126737	8.5	31
113	Trace element concentrations of some pet foods commercially available in Turkey. <i>Food and Chemical Toxicology</i> , 2010 , 48, 2833-7	4.7	31
112	Green and innovative technique develop for the determination of vanadium in different types of water and food samples by eutectic solvent extraction method. <i>Food Chemistry</i> , 2020 , 306, 125638	8.5	30
111	A new portable micropipette tip-syringe based solid phase microextraction for the determination of vanadium species in water and food samples. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 57, 188-192	6.3	29
110	Trace element levels in some dried fruit samples from Turkey. <i>International Journal of Food Sciences and Nutrition</i> , 2008 , 59, 581-9	3.7	29
109	A new portable switchable hydrophilicity microextraction method for determination of vanadium in microsampling micropipette tip syringe system couple with ETAAS. <i>Talanta</i> , 2019 , 194, 991-996	6.2	29

108	Development of novel simultaneous single step and multistep cloud point extraction method for silver, cadmium and nickel in water samples. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 35, 93-98	6.3	28
107	Magnetic vermiculite-modified by poly(trimesoyl chloride-melamine) as a sorbent for enhanced removal of bisphenol A. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103436	6.8	28
106	Preconcentration and speciation of vanadium by three phases liquid-liquid microextraction prior to electrothermal atomic absorption spectrometry. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 1825-1829	6.3	28
105	Simple and green switchable dispersive liquid-liquid microextraction of cadmium in water and food samples. <i>RSC Advances</i> , 2016 , 6, 28767-28773	3.7	27
104	A new separation and preconcentration method for selenium in some foods using modified silica gel with 2,6-diamino-4-phenyl-1,3,5-triazine. <i>Food Chemistry</i> , 2017 , 221, 1394-1399	8.5	26
103	Synthesis, characterization and evaluation of carbon nanofiber modified-polymer for ultra-removal of thorium ions from aquatic media. <i>Chemical Engineering Research and Design</i> , 2020 , 163, 76-84	5.5	26
102	XAD-4/PAN Solid Phase Extraction System for Atomic Absorption Spectrometric Determinations of Some Trace Metals in Environmental Samples. <i>Analytical Letters</i> , 2004 , 37, 473-489	2.2	25
101	A Novel Selective Deep Eutectic Solvent Extraction Method for Versatile Determination of Copper in Sediment Samples by ICP-OES. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017 , 99, 264-269	2.7	24
100	Trace element content in marine algae species from the Black Sea, Turkey. <i>Environmental Monitoring and Assessment</i> , 2009 , 151, 363-8	3.1	24
99	Interfacial polymerization of trimesoyl chloride with melamine and palygorskite for efficient uranium ions ultra-removal. <i>Chemical Engineering Research and Design</i> , 2020 , 159, 353-361	5.5	22
98	Solid phase microextraction method using a novel polystyrene oleic acid imidazole polymer in micropipette tip of syringe system for speciation and determination of antimony in environmental and food samples. <i>Talanta</i> , 2018 , 184, 115-121	6.2	22
97	Determination of toxic and essential elements in sunflower honey from Thrace Region, Turkey. <i>International Journal of Food Science and Technology</i> , 2012 , 47, 107-113	3.8	22
96	Heavy metal bioaccumulation by cultivated <i>Agaricus bisporus</i> from artificially enriched substrates. <i>European Food Research and Technology</i> , 1998 , 206, 417-419		22
95	Determination of Copper in Food and Water by Dispersive Liquid-Liquid Microextraction and Flame Atomic Absorption Spectrometry. <i>Analytical Letters</i> , 2015 , 48, 1738-1750	2.2	21
94	Solid phase extraction of iron and lead in environmental matrices on amberlite xad-1180/pv. <i>Quimica Nova</i> , 2006 , 29, 203-207	1.6	21
93	Evaluation of carbonized waste tire for development of novel shape stabilized composite phase change material for thermal energy storage. <i>Waste Management</i> , 2020 , 103, 352-360	8.6	21
92	Ultrasound-Assisted Ionic Liquid-Dispersive Liquid-Liquid of Curcumin in Food Samples Microextraction and Its Spectrophotometric Determination. <i>Journal of AOAC INTERNATIONAL</i> , 2018	1.7	20
91	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. <i>Biological Trace Element Research</i> , 2015 , 168, 276-85	4.5	20

90	Carbon nanotubes grafted with poly(trimesoyl, m-phenylenediamine) for enhanced removal of phenol. <i>Journal of Environmental Management</i> , 2019 , 252, 109660	7.9	20
89	Cloud point extraction of copper, lead, cadmium, and iron using 2,6-diamino-4-phenyl-1,3,5-triazine and nonionic surfactant, and their flame atomic absorption spectrometric determination in water and canned food samples. <i>Journal of AOAC INTERNATIONAL</i> , 2012 , 95, 1170-5	1.7	20
88	Investigation of Heavy Metal Levels in Street Dust Samples in Tokat, Turkey. <i>Instrumentation Science and Technology</i> , 2003 , 21, 513-521		20
87	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. <i>Analytical Letters</i> , 2004 , 37, 1185-1201	2.2	20
86	Trace metal levels in lichen samples from roadsides in East Black Sea region, Turkey. <i>Biomedical and Environmental Sciences</i> , 2007 , 20, 203-7	1.1	20
85	Dispersive liquid-liquid microextraction-spectrophotometry combination for determination of rhodamine B in food, water, and environmental samples. <i>Desalination and Water Treatment</i> , 2015 , 55, 2103-2108		19
84	Speciation of Chromium in Natural Waters, Tea, and Soil with Membrane Filtration Flame Atomic Absorption Spectrometry. <i>Analytical Letters</i> , 2015 , 48, 2258-2271	2.2	19
83	Comparison of sample preparation procedures for the determination of trace heavy metals in house dust, tobacco and tea samples by atomic absorption spectrometry. <i>Annali Di Chimica</i> , 2004 , 94, 867-73		19
82	Assessment of trace metal levels in some moss and lichen samples collected from near the motorway in Turkey. <i>Journal of Hazardous Materials</i> , 2009 , 166, 1344-50	12.8	18
81	Ultrasonic assisted deep eutectic solvent liquid-liquid microextraction using azadipyrromethene dye as complexing agent for assessment of chromium species in environmental samples by electrothermal atomic absorption spectrometry. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4319	3.1	17
80	A new green switchable hydrophobic-hydrophilic transition dispersive solid-liquid microextraction of selenium in water samples. <i>Analytical Methods</i> , 2016 , 8, 2756-2763	3.2	17
79	Assessment of trace metal concentrations in muscle tissue of certain commercially available fish species from Kayseri, Turkey. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 4619-28	3.1	17
78	A COMPARISON OF SAMPLE PREPARATION PROCEDURES FOR THE DETERMINATION OF HEAVY METALS IN LICHEN SAMPLES BY GFAAS. <i>Analytical Letters</i> , 2002 , 35, 1667-1676	2.2	17
77	Carrier element-free coprecipitation and speciation of inorganic tin in beverage samples and total tin in food samples using N-Benzoyl-N,N-diisobutylthiourea and its determination by graphite furnace atomic absorption spectrometry. <i>LWT - Food Science and Technology</i> , 2015 , 63, 1091-1096	5.4	16
76	Speciation of chromium by the combination of dispersive liquid-liquid microextraction and microsample injection flame atomic absorption spectrometry. <i>Turkish Journal of Chemistry</i> , 2014 , 38, 173-181	1	16
75	Spectrophotometric Detection of Rhodamine B after Separation-Enrichment by Using Multi-walled Carbon Nanotubes. <i>Journal of AOAC INTERNATIONAL</i> , 2014 , 97, 1459-62	1.7	16
74	Atomic Absorption Spectrometric Determination of Trace Metal Contents of Mushroom Samples from Tokat, Turkey. <i>Analytical Letters</i> , 2003 , 36, 1401-1410	2.2	16
73	Spectrophotometric detection of rhodamine B in tap water, lipstick, rouge, and nail polish samples after supramolecular solvent microextraction. <i>Turkish Journal of Chemistry</i> , 2017 , 41, 987-994	1	15

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71	Ultrasound-assisted supramolecular solvent dispersive liquid-liquid microextraction for preconcentration and determination of Cr(VI) in waters and total chromium in beverages and vegetables. <i>Journal of Molecular Liquids</i> , 2021 , 329, 115556	6	15
70	Separation, enrichment and spectrophotometric determination of erythrosine (E127) in drug, cosmetic and food samples by heat-induced homogeneous liquid-liquid microextraction method. <i>International Journal of Environmental Analytical Chemistry</i> , 2019 , 99, 1135-1147	1.8	14
69	Ultrasonication ionic liquid-based dispersive liquid-liquid microextraction of palladium in water samples and determination of micro sampler system-assisted FAAS. <i>Desalination and Water Treatment</i> , 2015 , 53, 2686-2691		14
68	Development of tetraethylene pentamine functionalized multi-wall carbon nanotubes as a new adsorbent in a syringe system for removal of bisphenol A by using multivariate optimization techniques. <i>Microchemical Journal</i> , 2019 , 147, 1147-1154	4.8	13
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62	Separation and Preconcentration of Sudan Blue II Using Membrane Filtration and UV-Visible Spectrophotometric Determination in River Water and Industrial Wastewater Samples. <i>Journal of AOAC INTERNATIONAL</i> , 2015 , 98, 213-7	1.7	11
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60	Vortex-Assisted Solidified Floating Organic Drop Microextraction of Molybdenum in Beverages and Food Samples Coupled with Graphite Furnace Atomic Absorption Spectrometry. <i>Food Analytical Methods</i> , 2017 , 10, 219-226	3.4	11
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45	A multivariate study of solid phase extraction of beryllium(II) using human hair as adsorbent prior to its spectrophotometric detection. <i>Desalination and Water Treatment</i> , 2015 , 55, 1088-1095		8
44	Determination of trace levels of selenium in natural water, agriculture soil and food samples by vortex assisted liquid-liquid microextraction method: Multivariate techniques. <i>Food Chemistry</i> , 2021 , 344, 128706	8.5	8
43	A simple and green ultrasound liquid-liquid microextraction method based on low viscous hydrophobic deep eutectic solvent for the preconcentration and separation of selenium in water and food samples prior to HG-AAS detection. <i>Food Chemistry</i> , 2021 , 364, 130371	8.5	8
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41	Evaluation of Mercury in Environmental Samples by a Supramolecular Solvent-Based Dispersive Liquid-Liquid Microextraction Method Before Analysis by a Cold Vapor Generation Technique. <i>Journal of AOAC INTERNATIONAL</i> , 2017 , 100, 782-788	1.7	7
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38	Solid-phase extraction of copper(II) in water and food samples using silica gel modified with bis(3-aminopropyl)amine and determination by flame atomic absorption spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2014 , 97, 1137-42	1.7	7
37	Arsenic in water, food and cigarettes: a cancer risk to Pakistani population. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013 , 48, 1776-82	2.3	7

36	Determination of zirconium in water, dental materials and artificial saliva after surfactant assisted dispersive ionic liquid based microextraction. <i>RSC Advances</i> , 2015 , 5, 107872-107879	3.7	7
35	Comparison of essential and toxic elements in esophagus, lung, mouth and urinary bladder male cancer patients with related to controls. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 7705-15 ^{5.1}	5.1	7
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32	Voltammetric sensor based on bimetallic nanocomposite for determination of favipiravir as an antiviral drug. <i>Mikrochimica Acta</i> , 2021 , 188, 434	5.8	7
31	Influential bio-removal of mercury using <i>Lactarius acerrimus</i> macrofungus as novel low-cost biosorbent from aqueous solution: Isotherm modeling, kinetic and thermodynamic investigations. <i>Materials Chemistry and Physics</i> , 2020 , 249, 123168	4.4	7
30	Evaluation of metal contents of household detergent samples from Turkey by flame atomic absorption spectrometry. <i>Environmental Monitoring and Assessment</i> , 2013 , 185, 9663-8	3.1	6
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28	In-situ formation/decomposition of deep eutectic solvent during solidification of floating organic droplet-liquid-liquid microextraction method for the extraction of some antibiotics from honey prior to high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1650, 462653	4.5	6
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25	Dispersive ionic liquid microextraction of aluminium from environmental water samples by effervescent generation of carbon dioxide. <i>International Journal of Environmental Analytical Chemistry</i> , 2016 , 96, 729-738	1.8	5
24	Flame Atomic Absorption Spectrometric Determination of Gold After Solid-Phase Extraction of Its 2-Aminobenzothiazole Complex on Diaion SP-207. <i>Journal of AOAC INTERNATIONAL</i> , 2016 , 99, 534-8	1.7	5
23	Assessment of trace elements in animal tissues from Turkey. <i>Environmental Monitoring and Assessment</i> , 2011 , 182, 423-30	3.1	5
22	Development of sensitive and accurate solid-phase microextraction procedure for preconcentration of As(III) ions in real samples. <i>Scientific Reports</i> , 2021 , 11, 5481	4.9	5
21	Determination of Mercury in Environmental Samples by Using Water Exchangeable Liquid-Liquid Microextraction as Green Extraction Method Couple with Cold Vapor Technique. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	5
20	Development and characterization of bentonite-gum arabic composite as novel highly-efficient adsorbent to remove thorium ions from aqueous media. <i>Cellulose</i> , 2021 , 28, 10321	5.5	5
19	Ionic liquid dispersive microextraction and spectrophotometric determination of trace uranyl ion in water samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015 , 306, 385-392	1.5	4

18	Solid phase extraction of uranium on a new brush type graft copolymer and spectrophotometric determination of its in water samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 310, 1255-1263	1.5	4
17	Evaluation of mercury and physicochemical parameters in different depths of aquifer water of Thar coalfield, Pakistan. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 17731-17740	5.1	4
16	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. <i>Journal of AOAC INTERNATIONAL</i> , 2015 , 98, 1733-8	1.7	4
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14	Evaluation of poly(ethylene diamine-trimesoyl chloride)-modified diatomite as efficient adsorbent for removal of rhodamine B from wastewater samples. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 55655-55666	5.1	4
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12	Synthesis of carbon modified with polymer of diethylenetriamine and trimesoyl chloride for the dual removal of Hg (II) and methyl mercury ([CH ₃ Hg] ⁺) from wastewater: Theoretical and experimental analyses. <i>Materials Chemistry and Physics</i> , 2022 , 277, 125501	4.4	3
11	Simultaneous removal of polyaromatic hydrocarbons from water using polymer modified carbon. <i>Biomass Conversion and Biorefinery</i> , 2021 , 11, 101504	2.3	3
10	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. <i>International Journal of Food Science and Technology</i> , 2013 , 48, n/a-n/a	3.8	2
9	Determination of Total Arsenic in Water and Food Samples by Pressure-induced Ionic Liquid-based Dispersive Liquid-Liquid Microextraction Method Prior to Analysis by Hydride Generation Atomic Absorption Spectrometry. <i>Atomic Spectroscopy</i> , 2017 , 38, 57-64	2.8	2
8	A New Green In Situ Effervescent CO ₂ -Table-Induced Switchable Hydrophilicity Solvent Extraction Method of Rhodamine B in Food and Soft Drink Samples. <i>Journal of AOAC INTERNATIONAL</i> , 2021 , 104, 384-388	1.7	2
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6	Assessment of arsenic in water, rice and honey samples using new and green vortex-assisted liquid phase microextraction procedure based on deep eutectic solvent: Multivariate study. <i>Microchemical Journal</i> , 2022 , 179, 107541	4.8	2
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1	Application of microcrystalline cellulose as an efficient and cheap sorbent for the extraction of metoprolol from plasma and wastewater before HPLC-MS/MS determination.. <i>Biomedical Chromatography</i> , 2022 , e5371	1.7	

