

Celal Duran

List of Publications by Year in descending order

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79
papers

3,579
citations

186265
28
h-index

138484
58
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79
all docs

79
docs citations

79
times ranked

3878
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Magnetic Fe ₃ O ₄ /Alnus glutinosa Sawdust Biochar/SiO ₂ /CTAB as a New Sorbent for Magnetic Solid Phase Extraction of Heavy Metals from Fruit and Waters Samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 4857-4875.	3.3	8
2	Characterization of the Adsorption Mechanism of Cadmium(II) and Methylene Blue upon Corncobs Activated Carbon. <i>Analytical Letters</i> , 2023, 56, 433-448.	1.8	2
3	Salt-Assisted Bulk Liquid Membrane and Flame Atomic Absorption Spectrometry for the Separation and Determination of Chromium(VI). <i>Analytical Letters</i> , 2021, 54, 1729-1745.	1.8	6
4	Preparation of melon peel biochar/CoFe ₂ O ₄ as a new adsorbent for the separation and preconcentration of Cu(II), Cd(II), and Pb(II) ions by solid-phase extraction in water and vegetable samples. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 642.	2.7	16
5	Adsorption Of Methylene Blue from Aqueous Solution with Sulfuric Acid Activated Corn Cobs: Equilibrium, Kinetics, and Thermodynamics Assessment. <i>Hittite Journal of Science & Engineering</i> , 2020, 7, 239-256.	0.5	3
6	Assessment of Heavy Metal Contents of Mulberry Samples (Fruit, Leaf, Soil) Grown in Gumushane Province. <i>Erwerbs-Obstbau</i> , 2019, 61, 85-96.	1.3	8
7	Optical and Dielectric Properties of PMMA/±-Fe ₂ O ₃ ±-ZnO Nanocomposite Films. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 1514-1522.	3.7	14
8	The separation±preconcentration and determination of ultra-trace gold in water and solid samples by dispersive liquid±liquid microextraction using atomic absorption spectrometry. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 1347-1354.	2.2	5
9	Evaluation of Pomological and Morphological Characteristics and Chemical Compositions of Local Pear Varieties (<i>Pyrus communis</i> L.) Grown in Gumushane, Turkey. <i>Erwerbs-Obstbau</i> , 2018, 60, 173-181.	1.3	12
10	Adsorption of Cu(II) ions from aqueous solution by hazelnut husk activated carbon prepared with potassium acetate. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 1144-1148.	2.4	14
11	Determination of Au(III) and Pd(II) ions by flame atomic absorption spectrometry in some environmental samples after solid phase extraction. <i>Toxicological and Environmental Chemistry</i> , 2017, 99, 590-600.	1.2	9
12	Comparative study for the separation, preconcentration, and determination of copper and cadmium in real samples by using two different ligands. <i>Turkish Journal of Chemistry</i> , 2016, 40, 93-105.	1.2	6
13	Separation and preconcentration of Pb(II) and Cu(II) ions via carrier element-free coprecipitation using an acetohydrazide derivative. <i>Turkish Journal of Chemistry</i> , 2016, 40, 1034-1043.	1.2	1
14	A novel carrier element±free coprecipitation method for separation/preconcentration of lead and cadmium ions from environmental matrices. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 1709-1715.	2.3	14
15	Equilibrium, kinetics, and thermodynamic evaluation of mercury (II) removal from aqueous solutions by moss (<i>Hypnum omalothecium sericeum</i>) biomass. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1620-1628.	2.3	3
16	Selective separation, preconcentration and determination of Pd(II) ions in environmental samples by coprecipitation with a 1,2,4-triazole derivative. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2015, 29, 1.	1.1	11
17	Simultaneous separation and preconcentration of Cd(II), Co(II), and Ni(II) ions in environmental samples by carrier element-free coprecipitation method prior to their flame atomic absorption spectrometric determination. <i>Desalination and Water Treatment</i> , 2015, 53, 390-397.	1.0	16
18	Geostatistical analysis of the relationship between heavy metals in drinking water and cancer incidence in residential areas in the Black Sea region of Turkey. <i>Journal of Environmental Health</i> , 2015, 77, 86-93.	0.5	12

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19	Kinetics, thermodynamics, and equilibrium evaluation of adsorptive removal of methylene blue onto natural illitic clay mineral. <i>Desalination and Water Treatment</i> , 2014, 52, 208-218.	1.0	31
20	Separation and preconcentration of lead, chromium and copper by using with the combination coprecipitation-flame atomic absorption spectrometric determination. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1030-1034.	5.8	50
21	Simultaneous separation and preconcentration of $\text{Ni}(\text{II})$ and $\text{Cu}(\text{II})$ ions by coprecipitation without any carrier element in some food and water samples. <i>International Journal of Food Science and Technology</i> , 2014, 49, 1586-1592.	2.7	15
22	Assessment of kinetics, thermodynamics, and equilibrium parameters of $\text{Cu}(\text{II})$ adsorption onto <i>Rosa canina</i> seeds. <i>Desalination and Water Treatment</i> , 2014, 52, 3226-3236.	1.0	17
23	Assessment of kinetics, thermodynamics and equilibrium parameters of $\text{Cr}(\text{VI})$ biosorption onto <i>Pinus brutia</i> Ten. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 139-147.	1.7	29
24	Preparation of a New Sorbent, Cetyltrimethylammonium Bromide (CTAB)- Modified Obsidian, for the Separation and Preconcentration of $\text{Pb}(\text{II})$ and $\text{Cd}(\text{II})$ Ions in Food and Water Samples. <i>Atomic Spectroscopy</i> , 2014, 35, 118-126.	1.2	5
25	Physicochemical characteristics of a novel activated carbon produced from tea industry waste. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 104, 249-259.	5.5	138
26	Determination of $\text{Pb}(\text{II})$, $\text{Zn}(\text{II})$, $\text{Cd}(\text{II})$, and $\text{Co}(\text{II})$ ions by flame atomic absorption spectrometry in food and water samples after preconcentration by coprecipitation with $\text{Mo}(\text{VI})$ -diethyldithiocarbamate. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 1107-1115.	2.7	23
27	Biosorption properties of <i>Morus alba</i> L. for $\text{Cd}(\text{II})$ ions removal from aqueous solutions. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 6003-6011.	2.7	35
28	SYNTHESIS AND CHARACTERIZATION OF CADMIUM SULFIDE NANOPARTICLE-LOADED ACTIVATED CARBON AS A NOVEL ADSORBENT FOR EFFICIENT REMOVAL OF REACTIVE ORANGE 12. <i>Chemical Engineering Communications</i> , 2013, 200, 1071-1088.	2.6	4
29	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. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 1484-1499.	3.3	16
30	Cadmium and nickel determinations in some food and water samples by the combination of carrier element-free coprecipitation and flame atomic absorption spectrometry. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 737-746.	1.2	17
31	Separation and preconcentration of copper in environmental samples on Amberlite XAD-8 resin after complexation with a carbothioamide derivative. <i>Quimica Nova</i> , 2013, 36, 831-835.	0.3	9
32	SOLID PHASE EXTRACTION OF $\text{Cd}(\text{II})$ AND $\text{Pb}(\text{II})$ IONS BY A NEW CARBOTHIOAMIDE DERIVATIVE. <i>Journal of the Chilean Chemical Society</i> , 2013, 58, 2204-2208.	1.2	4
33	Development of a New Solid Phase Extraction Procedure for Selective Separation and Enrichment of $\text{Au}(\text{III})$ Ions in Environmental Samples. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	1
34	Application of carrier element free coprecipitation (CEFC) method for determination of $\text{Co}(\text{II})$, $\text{Cu}(\text{II})$ and $\text{Ni}(\text{II})$ ions in food and water samples. <i>Acta Chimica Slovenica</i> , 2013, 60, 287-93.	0.6	5
35	Acetohydrazide Derivative for Selective Separation and Preconcentration of $\text{Cu}(\text{II})$ Ions by Coprecipitation Method Without Using a Carrier Element. <i>Spectroscopy Letters</i> , 2012, 45, 330-336.	1.0	10
36	Dehydrated hazelnut husk carbon: a novel sorbent for removal of $\text{Ni}(\text{II})$ ions from aqueous solution. <i>Desalination and Water Treatment</i> , 2012, 50, 2-13.	1.0	24

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37	Adsorption of Phenol from Aqueous Solution on a Low-Cost Activated Carbon Produced from Tea Industry Waste: Equilibrium, Kinetic, and Thermodynamic Study. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 2733-2743.	1.9	177
38	Kinetics, thermodynamics and equilibrium evaluation of direct yellow 12 removal by adsorption onto silver nanoparticles loaded activated carbon. <i>Chemical Engineering Journal</i> , 2012, 187, 133-141.	12.7	215
39	Preconcentration by Coprecipitation of Copper and Nickel with Mo(VI)/Triazole Derivative System and Their Determinations by Flame Atomic Absorption Spectrometry in Food and Water Samples. <i>Clean - Soil, Air, Water</i> , 2012, 40, 211-217.	1.1	11
40	Kinetics and Isotherm Analysis of Basic Dyes Adsorption onto Almond Shell (<i>Prunus dulcis</i>) as a Low Cost Adsorbent. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 2136-2147.	1.9	218
41	Cloud-Point Extraction of Rhodamine 6G by Using Triton X-100 as the Non-Ionic Surfactant. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 286-292.	1.5	28
42	Spectrophotometric Determination of Gold (III) after Liquid-Liquid Extraction and Selective Preconcentration with a Novel Dibenzo-18-Crown-6 Derivative. <i>Geostandards and Geoanalytical Research</i> , 2011, 35, 471-483.	3.1	10
43	Adsorptive removal of Cd(II) and Pb(II) ions from aqueous solutions by using Turkish illitic clay. <i>Journal of Environmental Management</i> , 2011, 92, 3082-3090.	7.8	166
44	Tea-industry waste activated carbon, as a novel adsorbent, for separation, preconcentration and speciation of chromium. <i>Analytica Chimica Acta</i> , 2011, 688, 75-83.	5.4	95
45	Coprecipitation of palladium(II) with 1,5-diphenylcarbazide-copper(II) and determination by flame atomic absorption spectrometry. <i>Desalination</i> , 2011, 270, 130-134.	8.2	36
46	Preconcentration of Cd(II) and Cu(II) ions by coprecipitation without any carrier element in some food and water samples. <i>Microchemical Journal</i> , 2011, 98, 317-322.	4.5	45
47	Cloud-point extraction of rhodamine 6G by using Triton X-100 as the non-ionic surfactant. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 286-92.	1.5	4
48	Selective Solid Phase Extraction for Separation and Preconcentration of Palladium from Gold Ore and Anode Slime after Complexation with a N_4O_2 Mixed Donor Ligand Derivative. <i>Clean - Soil, Air, Water</i> , 2010, 38, 678-683.	1.1	3
49	Biosorption of Rhodamine 6G from aqueous solutions onto almond shell (<i>Prunus dulcis</i>) as a low cost biosorbent. <i>Desalination</i> , 2010, 252, 81-87.	8.2	169
50	Structural and electrical characterization of ZnO-based homojunctions. <i>Journal of Alloys and Compounds</i> , 2010, 496, 560-565.	5.5	10
51	Evaluation of Adsorption Characteristics of Malachite Green onto Almond Shell (<i>Prunus dulcis</i>). <i>Separation Science and Technology</i> , 2010, 45, 2076-2085.	2.5	45
52	A Novel Method for Speciation of Chromium: Coprecipitation Without Carrier Element by Using a Triazole Derivative. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 257-262.	1.5	22
53	Biosorption of Heavy Metals by <i>Anoxybacillus gonensis</i> Immobilized on Diaion HP-2MG. <i>Separation Science and Technology</i> , 2009, 44, 335-358.	2.5	35
54	Simultaneous preconcentration of Co(II), Ni(II), Cu(II), and Cd(II) from environmental samples on Amberlite XAD-2000 column and determination by FAAS. <i>Journal of Hazardous Materials</i> , 2009, 162, 292-299.	12.4	71

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55	Removal of Pb(II) ions from aqueous solution by a waste mud from copper mine industry: Equilibrium, kinetic and thermodynamic study. <i>Journal of Hazardous Materials</i> , 2009, 166, 1480-1487.	12.4	147
56	Carrier element-free coprecipitation with 3-phenyl-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. <i>Journal of Hazardous Materials</i> , 2009, 167, 294-299.	12.4	27
57	Removal of fluoride ions from aqueous solution by waste mud. <i>Journal of Hazardous Materials</i> , 2009, 168, 888-894.	12.4	116
58	Removal of phenol from aqueous solutions by adsorption onto organomodified Tirebolu bentonite: Equilibrium, kinetic and thermodynamic study. <i>Journal of Hazardous Materials</i> , 2009, 172, 353-362.	12.4	321
59	Biosorption of Pb(II) ions from aqueous solution by pine bark (<i>Pinus brutia</i> Ten.). <i>Chemical Engineering Journal</i> , 2009, 153, 62-69.	12.7	143
60	Carrier element-free coprecipitation (CEFC) method for the separation, preconcentration and speciation of chromium using an isatin derivative. <i>Analytica Chimica Acta</i> , 2009, 632, 35-41.	5.4	61
61	A novel method for speciation of chromium: coprecipitation without carrier element by using a triazole derivative. <i>Journal of AOAC INTERNATIONAL</i> , 2009, 92, 257-62.	1.5	2
62	A New pH Indicator Based on 2,5-Diaryl-1-salicylideneamino-1,3,4-triazole Derivative. <i>Chinese Journal of Chemistry</i> , 2008, 26, 143-145.	4.9	5
63	Analysis of mosses along Sarp-Samsun highway in Turkey. <i>Journal of Hazardous Materials</i> , 2008, 153, 646-654.	12.4	25
64	Assessment of metal element concentrations in mussel (<i>M. Galloprovincialis</i>) in Eastern Black Sea, Turkey. <i>Journal of Hazardous Materials</i> , 2008, 160, 396-401.	12.4	93
65	Removal of cadmium from aqueous solution by Nordmann fir (<i>Abies nordmanniana</i> (Stev.) Spach.)	9.6	46
66	A new approach to separation and pre-concentration of some trace metals with co-precipitation method using a triazole. <i>Talanta</i> , 2008, 76, 469-474.	5.5	40
67	Speciation of Cr(III) and Cr(VI) in Environmental Samples after Solid Phase Extraction on Amberlite XAD-2000. <i>Journal of the Chinese Chemical Society</i> , 2007, 54, 625-634.	1.4	20
68	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. <i>Chinese Journal of Chemistry</i> , 2007, 25, 196-202.	4.9	37
69	Speciation of Cr(III) and Cr(VI) after column solid phase extraction on Amberlite XAD-2010. <i>Journal of Hazardous Materials</i> , 2007, 143, 112-117.	12.4	66
70	A multi-element solid-phase extraction method for trace metals determination in environmental samples on Amberlite XAD-2000. <i>Journal of Hazardous Materials</i> , 2007, 146, 155-163.	12.4	104
71	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). <i>Journal of Hazardous Materials</i> , 2007, 146, 347-355.	12.4	174
72	Separation and enrichment of gold(III) from environmental samples prior to its flame atomic absorption spectrometric determination. <i>Journal of Hazardous Materials</i> , 2007, 149, 317-323.	12.4	105

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73	Chemical and Antioxidant Properties of <i>Laurocerasus officinalis</i> Roem. (Cherry Laurel) Fruit Grown in the Black Sea Region. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 7489-7494.	5.2	71
74	Liquid-liquid equilibrium for the ternary systems composed of diethyl phenylmalonate + acetic acid + water and diethyl methylmalonate + acetic acid + water at 294, 298, and 308 K. <i>Journal of Chemical & Engineering Data</i> , 1992, 37, 474-478.	1.9	14
75	Optimization of a new cloud point extraction procedure for the selective determination of trace amounts of total iron in some environmental samples. <i>Turkish Journal of Chemistry</i> , 0, , .	1.2	3
76	Development of cloud point extraction preconcentration of cadmium and lead in solid samples using flame atomic absorption spectrometry. , 0, 124, 193-201.		4
77	Preconcentration and Determination of Palladium by Solvent-Free Microextraction and Flame Atomic Absorption Spectrometry (FAAS) in Environmental Samples. <i>Analytical Letters</i> , 0, , 1-10.	1.8	2
78	Atık Sulardan Cd(II) İyonlarının Adsorpsiyonu İçin Doğal Adsorban Olarak Kızıldağçam (<i>Pinus Brutia</i> Ten.) Talaşlarının Performanslarının Değerlendirilmesi. <i>Fırat Üniversitesi Mühendislik Bilimleri Dergisi</i> , 0, , .	0.5	0
79	Kızıldağçam (<i>Ulmus glabra</i>) ve Dut (<i>Morus alba</i>) Talaşları ile Sulu Çözeltilerden Adsorpsiyon Yantımıyla Rodamin 6G Giderimi. <i>Journal of the Institute of Science and Technology</i> , 0, , 337-351.	0.9	0