

Muhammad Yar Khuhawar

List of Publications by Year in descending order

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97
papers

1,884
citations

257450

24
h-index

315739

38
g-index

97
all docs

97
docs citations

97
times ranked

2053
citing authors

#	ARTICLE	IF	CITATIONS
1	Sawdust "A green and economical sorbent for the removal of cadmium (II) ions. Journal of Hazardous Materials, 2007, 139, 116-121.	12.4	131
2	Liquid chromatographic determination of isoniazid, pyrazinamide and rifampicin from pharmaceutical preparations and blood. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 766, 357-363.	2.3	95
3	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. Food Chemistry, 2018, 253, 277-283.	8.2	95
4	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. Journal of Molecular Liquids, 2018, 259, 220-226.	4.9	81
5	Ultrasound assisted deep eutectic solvent based on dispersive liquid liquid microextraction of arsenic speciation in water and environmental samples by electrothermal atomic absorption spectrometry. Journal of Molecular Liquids, 2017, 242, 441-446.	4.9	69
6	Enrichment of Pb(II) ions using phthalic acid functionalized XAD-16 resin as a sorbent. Journal of Colloid and Interface Science, 2005, 291, 84-91.	9.4	61
7	Liquid Chromatographic Determination of Glyoxal and Methylglyoxal from Serum of Diabetic Patients using Meso-stilbenediamine as Derivatizing Reagent. Analytical Letters, 2006, 39, 2205-2215.	1.8	49
8	Synthesis and characterization of some new Schiff base polymers. European Polymer Journal, 2004, 40, 805-809.	5.4	48
9	Use of modified sorbent for the separation and preconcentration of chromium species from industrial waste water. Journal of Hazardous Materials, 2009, 163, 511-516.	12.4	47
10	Preconcentration and separation of Cr(III) and Cr(VI) using sawdust as a sorbent. Analytical and Bioanalytical Chemistry, 2005, 383, 619-624.	3.7	45
11	Assessment of water quality of Manchar Lake in Sindh (Pakistan). Environmental Monitoring and Assessment, 2008, 141, 287-296.	2.7	43
12	Applications of copper nanoparticles for colorimetric detection of dithiocarbamate pesticides. Journal of Nanostructure in Chemistry, 2019, 9, 77-93.	9.1	39
13	Use of Orange Peel Waste for Arsenic Remediation of Drinking Water. Waste and Biomass Valorization, 2011, 2, 423-433.	3.4	38
14	Liquid chromatographic determination of β -aminobutyric acid in cerebrospinal fluid using 2-hydroxynaphthaldehyde as derivatizing reagent. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 788, 413-418.	2.3	36
15	Determination of glyoxal and methylglyoxal in the serum of diabetic patients by MEKC using stilbenediamine as derivatizing reagent. Electrophoresis, 2007, 28, 3940-3947.	2.4	36
16	Liquid chromatographic determination of cis-platin as platinum(II) in pharmaceutical preparation, serum and urine samples of cancer patients. Talanta, 2005, 66, 34-39.	5.5	35
17	Water quality assessment of Ramser site, Indus Delta, Sindh, Pakistan. Environmental Monitoring and Assessment, 2018, 190, 492.	2.7	32
18	Comparison of fatty acids and cholesterol content in the milk of Pakistani cow breeds. Journal of Food Composition and Analysis, 2006, 19, 698-703.	3.9	29

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19	Simultaneous HPLC determination of gamma amino butyric acid (GABA) and lysine in selected Pakistani rice varieties by pre-column derivatization with 2-Hydroxynaphthaldehyde. <i>Journal of Cereal Science</i> , 2014, 60, 356-360.	3.7	29
20	Simultaneous high performance liquid chromatographic determination of vanadium, nickel, iron and copper in crude petroleum oils using bis(acetylpyvalylmethane)ethylenediimine as a complexing reagent. <i>Talanta</i> , 1996, 43, 767-770.	5.5	28
21	Efficiency of Cd(II) removal from aqueous media using chemically modified polystyrene foam. <i>European Polymer Journal</i> , 2008, 44, 1501-1511.	5.4	26
22	Liquid chromatographic determination of vanadium in petroleum oils and mineral ore samples using 2-acetylpyridine-4-phenyl-3-thiosemicarbazone as derivatizing reagent. <i>Talanta</i> , 2006, 68, 535-541.	5.5	25
23	Quantitative separation of oxytocin, norfloxacin and diclofenac sodium in milk samples using capillary electrophoresis. <i>Biomedical Chromatography</i> , 2009, 23, 1007-1013.	1.7	25
24	The efficacy of nitrosonaphthol functionalized XAD-16 resin for the preconcentration/sorption of Ni(II) and Cu(II) ions. <i>Talanta</i> , 2007, 72, 1738-1745.	5.5	24
25	Novel ultrasonic-assisted deep eutectic solvent-based dispersive liquid-liquid microextraction for determination of vanadium in food samples by electrothermal atomic absorption spectrometry: A multivariate study. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4144.	3.5	24
26	Schiff Bases as Chelating Reagents for Metal Ions Analysis. <i>Current Analytical Chemistry</i> , 2014, 10, 393-417.	1.2	23
27	Liquid chromatographic determination of cobalt(II), copper(II) and iron(II) using 2-thiophenaldehyde-4-phenyl-3-thiosemicarbazone as derivatizing reagent. <i>Talanta</i> , 1998, 46, 485-490.	5.5	22
28	Syntheses, characterization, in vitro antiglycation and DPPH radical scavenging activities of isatin salicylhydrazidehydrazone and its Mn (II), Co (II), Ni (II), Cu (II), and Zn (II) metal complexes. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2262-2269.	4.9	22
29	Evaluation of hydrochemistry of the Dokri groundwater, including historical site Mohenjo-Daro, Sindh, Pakistan. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 1892-1916.	3.3	22
30	Simultaneous solvent extraction and high-performance liquid chromatographic determination of uranium, iron, nickel and copper in mineral ore samples and phosphate rock residues using N,N'-ethylenebis(salicylaldehyde) as complexing reagent. <i>Journal of Chromatography A</i> , 1996, 740, 296-301.	3.7	21
31	HPLC determination of tranexamic acid in pharmaceutical preparations and blood. <i>Chromatographia</i> , 2001, 53, 709-711.	1.3	21
32	Sorption behavior of impregnated Styrofoam for the removal of Cd(II) ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 279, 142-148.	4.7	21
33	Capillary gas chromatographic determination of methylglyoxal from serum of diabetic patients by precolumn derivatization with 1,2-diaminopropane. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 873, 15-19.	2.3	21
34	HPLC determination of gamma amino butyric acid (GABA) and some biogenic amines (BAs) in controlled, germinated, and fermented brown rice by pre-column derivatization. <i>Journal of Cereal Science</i> , 2015, 64, 56-62.	3.7	21
35	GC Determination of Famotidine, Ranitidine, Cimetidine, and Metformin in Pharmaceutical Preparations and Serum Using Methylglyoxal as Derivatizing Reagent. <i>Chromatographia</i> , 2012, 75, 1311-1317.	1.3	20
36	High-performance liquid chromatographic determination of uranium using solvent extraction and bis(salicylaldehyde) tetramethylethylenediimine as complexing reagent. <i>Talanta</i> , 1995, 42, 1925-1929.	5.5	18

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37	Capillary GC Analysis of Glyoxal and Methylglyoxal in the Serum and Urine of Diabetic Patients After Use of 2,3-Diamino-2,3-dimethylbutane as Derivatizing Reagent. <i>Chromatographia</i> , 2009, 70, 891-897.	1.3	18
38	Gas and liquid chromatography of metal chelates of pentamethylene dithiocarbamate. <i>Journal of Chromatography A</i> , 2002, 973, 235-241.	3.7	17
39	Determination of arsenic contents in groundwater of District Rahim Yar Khan Southern Punjab, Pakistan. <i>Arabian Journal of Geosciences</i> , 2015, 8, 10983-10994.	1.3	17
40	Nickel(II) chelates of some tetradentate Schiff bases as stationary phases for gas chromatography. <i>Journal of Chromatography A</i> , 1995, 715, 366-371.	3.7	15
41	High-performance liquid chromatographic separation and determination of cobalt(II), cobalt(III) and iron(II) using bis(salicylaldehyde)tetramethylethylenediimine. <i>Journal of Chromatography A</i> , 1995, 695, 132-135.	3.7	15
42	The GC determination of cisplatin as platinum(II) from pharmaceutical preparations and blood sample of cancer patients. <i>Chromatographia</i> , 1999, 49, 249-252.	1.3	15
43	Ethyl Chloroformate as a Derivatizing Reagent for the Gas Chromatographic Determination of Isoniazid and Hydrazine in Pharmaceutical Preparations. <i>Analytical Sciences</i> , 2008, 24, 1493-1496.	1.6	15
44	Syntheses and thermoanalytical studies of some schiff base polymers derived from 5,5- ϵ^2 -methylene bis(2-hydroxyacetophenone). <i>European Polymer Journal</i> , 1998, 34, 133-135.	5.4	14
45	High performance liquid chromatographic separation and UV determination of cobalt, copper iron and platinum in pharmaceutical preparations using bis(isovalerylacetone)ethylenediimine as complexing reagent. <i>Mikrochimica Acta</i> , 1998, 129, 65-70.	5.0	14
46	Spectrophotometric determination of vanadium in crude oil. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2006, 102, 236-240.	2.3	14
47	Water quality and sediment assessment of Manchar Lake, Sindh, Pakistan: after effects of the super flood of 2010. <i>Arabian Journal of Geosciences</i> , 2015, 8, 3259-3283.	1.3	14
48	Capillary Gas Chromatographic Determination of Methylglyoxal from Serum of Diabetic Patients by Precolumn Derivatization Using Meso-Stilbenediamine as Derivatizing Reagent. <i>Journal of Chromatographic Science</i> , 2008, 46, 539-543.	1.4	13
49	Capillary gas chromatographic determination of phenylpropanolamine in pharmaceutical preparation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 998-1001.	2.8	12
50	Gas chromatography of chloride and bromide as phenylboronic acid/mercuric nitrate derivatives with microwave induced plasma atomic emission detection. <i>Journal of Chromatography A</i> , 1992, 594, 395-399.	3.7	11
51	Platinum-selective capillary gas chromatographic determination with microwave-induced plasma atomic emission detection. <i>Journal of Chromatography A</i> , 1998, 824, 223-229.	3.7	11
52	High-performance liquid chromatographic determination of selenium in coal after derivatization to 2,1,3-benzoselenadiazoles. <i>Analyst</i> , 1992, 117, 1725.	3.5	10
53	Determination of uranium, iron, copper, and nickel from ore samples by MEKC using ϵ^2 -ethylene bis(salicylalimine) as complexing reagent. <i>Electrophoresis</i> , 2008, 29, 597-603.	2.4	10
54	Ethyl Chloroformate as a Derivatizing Reagent for Capillary GC Determination of Dopamine, Adrenaline, Putrescine, and Histamine. <i>Chromatographia</i> , 2008, 67, 847-851.	1.3	10

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55	HPLC DETERMINATION OF GUANIDINO COMPOUNDS IN SERUM OF UREMIC PATIENTS USING PYRIDOIN AS DERIVATIZING REAGENT. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 1393-1404.	1.0	10
56	Synthesis, Characterization and Biological Studies of New Linear Thermally Stable Schiff Base Polymers with Flexible Spacers. <i>Acta Chimica Slovenica</i> , 2016, 63, 113-120.	0.6	10
57	HPLC determination of copper(II), cobalt(II) and iron(II) in pharmaceutical preparations using 2-acetylpyridine-4-phenyl-3-thiosemicarbazone derivatizing agent. <i>Chromatographia</i> , 1995, 41, 236-237.	1.3	9
58	Determination of uranium, iron, copper, and nickel in rock and water samples by MEKC. <i>Journal of Separation Science</i> , 2008, 31, 3037-3044.	2.5	9
59	Determination of Tranexamic Acid Using Ethyl Chloroformate as Derivatizing Reagent in Pharmaceutical Preparations and Blood by GC. <i>Chromatographia</i> , 2009, 70, 1749-1754.	1.3	9
60	GC Analysis of Amino Acids Using Trifluoroacetylacetone and Ethyl Chloroformate as Derivatizing Reagents in Skin Samples of Psoriatic and Arsenicosis Patients. <i>Chromatographia</i> , 2011, 73, 701-708.	1.3	9
61	High performance liquid chromatographic determination of copper(II) and nickel(II) by using solvent extraction and bis(acetylpyvalylmethane)ethylenediimine as complexing reagent. <i>Talanta</i> , 1992, 39, 609-612.	5.5	8
62	Intramuscular fatty acid profile of longissimus dorsi and semitendinosus muscle from Kundi steers fed on pasture with cottonseed cake supplement. <i>International Journal of Food Science and Technology</i> , 2007, 42, 1007-1011.	2.7	8
63	Evaluation of sorption behavior of polymethylene-bis(2-hydroxybenzaldehyde) for Cu(II), Ni(II), Fe(III), Co(II) and Cd(II) ions. <i>Iranian Polymer Journal (English Edition)</i> , 2012, 21, 325-334.	2.4	8
64	HPLC determination of phenylpropanolamine in pharmaceutical preparations using 4-dimethylaminobenzaldehyde as a derivatizing reagent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 26, 331-336.	2.8	7
65	Capillary gas chromatography of metal chelates of diethyl dithiocarbamates. <i>Chromatographia</i> , 2002, 55, 349-352.	1.3	7
66	Recycling of styrofoam waste: synthesis, characterization and application of novel phenyl thiosemicarbazone surface. <i>Polish Journal of Chemical Technology</i> , 2012, 14, 11-18.	0.5	7
67	Synthesis and characterisation of novel chelating resin for selective preconcentration and trace determination of Pb(II) ions in aqueous samples by innovative microsample injection system coupled flame atomic absorption spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 743-755.	3.3	7
68	MEKC determination of vanadium from mineral ore and crude petroleum oil samples using precapillary chelation with bis(salicylaldehyde)tetramethyl- ϵ -ethylenediimine. <i>Journal of Separation Science</i> , 2009, 32, 3169-3177.	2.5	6
69	Gas Chromatographic Determination of Guanidino Compounds in Uremic Patients Using Glyoxal as Derivatizing Reagent. <i>Journal of Chromatographic Science</i> , 2012, 50, 380-386.	1.4	6
70	Micellar electrokinetic chromatographic separation and analysis of thorium, uranium, gold, and mercury in environmental ore samples. <i>Acta Chromatographica</i> , 2010, 22, 405-417.	1.3	6
71	An Investigation of Quality of Groundwater of Taluka Nawabshah. <i>Pakistan Journal of Chemistry</i> , 2011, 1, 65-71.	0.1	6
72	Thermoanalytical and chromatographic studies of copper(II), nickel(II) and oxovanadium(IV) complexes of tetradentate Schiff bases derived from β -diketones and 2,3-diaminopentane. <i>Journal of Chromatography A</i> , 1991, 558, 187-195.	3.7	5

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73	Indirect liquid chromatographic determination of malathion based on copper(II) dimethyldithiophosphate complex formation. <i>Chromatographia</i> , 1996, 42, 680-682.	1.3	5
74	Cathodic stripping voltammetry of pipemidic acid and ofloxacin in pharmaceutical dosages and human urine. <i>Journal of the Iranian Chemical Society</i> , 2009, 6, 71-76.	2.2	5
75	Gas Chromatographic Determination of Guanidino Compounds Using Hexafluoroacetylacetone and Ethyl Chloroformate as Derivatizing Reagents. <i>Chromatographia</i> , 2013, 76, 85-90.	1.3	5
76	Micellar Electrokinetic Chromatographic Separation/Determination of Uranium, Iron, Copper and Nickel from Environmental Ore Samples Using Bis(salicylaldehyde)meso-stilbenediimine as Chelating Reagent. <i>Asian Journal of Chemistry</i> , 2013, 25, 3719-3724.	0.3	5
77	Extraction and Determination of Phenolic Acids and Vitamin B of Sieved and Unsieved Wheat Grain by MEKC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 143-152.	1.0	5
78	Fluorescent Carbon Dots and their Applications in Sensing of Small Organic Molecules. <i>Current Analytical Chemistry</i> , 2022, 18, 145-162.	1.2	5
79	Gas Chromatographic and Spectrophotometric Determination of Diclofenac Sodium, Ibuprofen, and Mefenamic Acid in Urine and Blood Samples. <i>Turkish Journal of Pharmaceutical Sciences</i> , 2020, 17, 465-473.	1.4	5
80	Indirect liquid chromatographic determination of malathion in formulations, based on the formation of palladium(II)-dimethyldithiophosphate complex. <i>Journal of Chromatography A</i> , 1997, 758, 159-162.	3.7	4
81	Liquid Chromatography of Uranium Complexes of Tetradentate Schiff Bases. <i>Analytical Sciences</i> , 2004, 20, 1193-1197.	1.6	4
82	Palladium(II) chelate of tetradentate Schiff base as mixed stationary phase for gas chromatography. <i>Journal of Separation Science</i> , 2007, 30, 359-366.	2.5	4
83	Development of 2-acetylpyridine-4-phenyl-3-thiosemicarbazone functionalized polymeric resin for the preconcentration of metal ions prior to their ultratrace determinations by MIS-FAAS. <i>Turkish Journal of Chemistry</i> , 2014, 38, 553-567.	1.2	4
84	Spectrofluorimetric analysis of famotidine in pharmaceutical preparations and biological fluids by derivatization with benzoin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 449-452.	3.9	4
85	Capillary gas chromatographic analysis of pyrrolidinedithiocarbamate metal chelates. <i>Journal of Separation Science</i> , 2007, 30, 2727-2732.	2.5	3
86	Bis(isovalerylacetone)ethylenediimine Nickel(II) as Mixed Stationary Phase for Gas Chromatography. <i>Journal of Chromatographic Science</i> , 2010, 48, 303-309.	1.4	3
87	Gas Chromatographic Analysis of Guanidino Compounds in Sera and Urine of Uremic Patients Using Glyoxal and Ethyl Chloroformate as Derivatizing Reagents. <i>Analytical Sciences</i> , 2013, 29, 221-226.	1.6	3
88	HPLC Determination of Metformin, Famotidine and Ranitidine by Derivatization with Benzoin from Drugs and Biological Samples. <i>Pharmaceutica Analytica Acta</i> , 2017, 08, .	0.2	3
89	Assessment of variation in water quality at Right Bank Outfall Drain, including Manchar lake, Sindh, Pakistan. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-23.	3.3	3
90	Gas chromatographic analysis of chloride, bromide, and iodide as trifluoromethylmercury(II) nitrate derivatives. <i>Journal of Separation Science</i> , 2002, 25, 462-465.	2.5	2

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91	PREPARATION AND CHARACTERIZATION OF SCHIFF BASE POLYMERS DERIVED FROM 4,4'-METHYLENEBIS(CINNAMALDEHYDE). Chinese Journal of Polymer Science (English Edition), 2007, 25, 399.	3.8	2
92	Liquid chromatographic analysis of mercury(ii) and cadmium(ii) using dimethylglyoxal bis-(4-phenyl-3-thiosemicarbazone) as derivatizing reagent. Acta Chromatographica, 2008, 20, 25-41.	1.3	2
93	A NOVEL HPLC METHOD FOR THE DETERMINATION OF ALPHA-KETO ACIDS IN HUMAN SERUM USING MESO STILLBENEDIAMINE AS DERIVATIZATION REAGENT. Journal of Liquid Chromatography and Related Technologies, 2012, 35, 1245-1258.	1.0	2
94	A Novel Micellar Electrokinetic Chromatographic Method for Separation of Metal-DDTC Complexes. Scientific World Journal, The, 2012, 2012, 1-8.	2.1	2
95	HPLC DETERMINATION OF GUANIDINO COMPOUNDS IN SERUM OF UREMIC PATIENTS USING METHYLGLYOXAL AS DERIVATIZING REAGENT. Journal of Liquid Chromatography and Related Technologies, 2013, 36, 2279-2291.	1.0	0
96	Solid Phase Extraction of Cu (I) by Bathocuproine Modified on Naphthalene Prior to Flame Atomic Absorption Spectrometric Determination. Analytical Chemistry Letters, 2015, 5, 183-191.	1.0	0
97	GC analysis of guanidino compounds in serum and urine of healthy volunteers and uremic patients using methylglyoxal and ethyl chloroformate as derivatizing reagent. Analytical Methods, 2015, 7, 7724-7732.	2.7	0