Yahya S Al-Degs

List of Publications by Year
in descending order

75 papers	3,797 citations	236833 25 h-index	123376 61 g-index
76 all docs	76 docs citations	76 times ranked	4799 citing authors

#	Article	IF	Citations
1	Effect of solution pH, ionic strength, and temperature on adsorption behavior of reactive dyes on activated carbon. Dyes and Pigments, 2008, 77, 16-23.	2.0	1,006
2	Effect of carbon surface chemistry on the removal of reactive dyes from textile effluent. Water Research, 2000, 34, 927-935.	5.3	506
3	Sorption of Zn(II), Pb(II), and Co(II) using natural sorbents: Equilibrium and kinetic studies. Water Research, 2006, 40, 2645-2658.	5.3	353
4	Sorption of lead ions on diatomite and manganese oxides modified diatomite. Water Research, 2001, 35, 3724-3728.	5.3	271
5	Adsorption characteristics of reactive dyes in columns of activated carbon. Journal of Hazardous Materials, 2009, 165, 944-949.	6.5	168
6	Critical evaluation and comparison of enrichment efficiency of multi-walled carbon nanotubes, C18 silica and activated carbon towards some pesticides from environmental waters. Talanta, 2008, 74, 1675-1680.	2.9	109
7	Determination of three dyes in commercial soft drinks using HLA/GO and liquid chromatography. Food Chemistry, 2009, 117, 485-490.	4.2	94
8	Determination of motor gasoline adulteration using FTIR spectroscopy and multivariate calibration. Talanta, 2008, 76, 1105-1112.	2.9	79
9	Spectrophotometric determination of food dyes in soft drinks by second order multivariate calibration of the absorbance spectra-pH data matrices. Dyes and Pigments, 2013, 97, 330-339.	2.0	73
10	Simultaneous determination of pesticides at trace levels in water using multiwalled carbon nanotubes as solid-phase extractant and multivariate calibration. Journal of Hazardous Materials, 2009, 169, 128-135.	6.5	66
11	Effect of dimensions of multi-walled carbon nanotubes on its enrichment efficiency of metal ions from environmental waters. Analytica Chimica Acta, 2007, 604, 119-126.	2.6	61
12	Solid-phase extraction and simultaneous determination of trace amounts of sulphonated and azo sulphonated dyes using microemulsion-modified-zeolite and multivariate calibration. Talanta, 2008, 75, 904-915.	2.9	59
13	Effect of oxidation and geometrical dimensions of carbon nanotubes on Hg(II) sorption and preconcentration from real waters. Desalination, 2011, 270, 214-220.	4.0	59
14	Conventional and Upcoming Sulfurâ€Cleaning Technologies for Petroleum Fuel: A Review. Energy Technology, 2016, 4, 679-699.	1.8	56
15	Extraction and separation of vanadium and nickel from fly ash produced in heavy fuel power plants. Chemical Engineering Journal, 2011, 173, 191-197.	6.6	53
16	New adsorbents based on microemulsion modified diatomite and activated carbon for removing organic and inorganic pollutants from waste lubricants. Chemical Engineering Journal, 2011, 173, 115-128.	6.6	47
17	Studying competitive sorption behavior of methylene blue and malachite green using multivariate calibration. Chemical Engineering Journal, 2014, 240, 554-564.	6.6	46
18	Application of chemometrics and FTIR for determination of viscosity index and base number of motor oils. Talanta, 2010, 81, 1096-1101.	2.9	41

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19	Simultaneous determination of five commercial cationic dyes in stream waters using diatomite solid-phase extractant and multivariate calibration. Arabian Journal of Chemistry, 2012, 5, 219-224.	2.3	39
20	Characterization and utilization of fly ash of heavy fuel oil generated in power stations. Fuel Processing Technology, 2014, 123, 41-46.	3.7	38
21	Oxidized activated carbon as support for titanium dioxide in UV-assisted degradation of 3-chlorophenol. Separation and Purification Technology, 2007, 54, 117-123.	3.9	36
22	Analyzing adsorption data of erythrosine dye using principal component analysis. Chemical Engineering Journal, 2012, 191, 185-194.	6.6	35
23	Isothermal and kinetic adsorption behaviour of Pb2 + ions on natural silicate minerals. Clay Minerals, 2003, 38, 501-509.	0.2	34
24	Preparation of highly selective solid-phase extractants for Cibacron reactive dyes using molecularly imprinted polymers. Analytical and Bioanalytical Chemistry, 2009, 393, 1055-1062.	1.9	26
25	Determination of hydrogen content, gross heat of combustion, and net heat of combustion of diesel fuel using FTIR spectroscopy and multivariate calibration. Fuel, 2010, 89, 193-201.	3.4	26
26	Separation and flame atomic absorption spectrometric determination of total chromium and chromium (III) in phosphate rock used for production of fertilizer. Talanta, 2013, 116, 482-487.	2.9	25
27	Preconcentration and determination of high leachable pesticides residues in water using solid-phase extraction coupled with high-performance liquid chromatography. International Journal of Environmental Analytical Chemistry, 2008, 88, 487-498.	1.8	22
28	Determination of Frying Quality of Vegetable Oils used for Preparing Falafel using Infrared Spectroscopy and Multivariate Calibration. Food Analytical Methods, 2011, 4, 540-549.	1.3	22
29	Characteristics of organosulphur compounds adsorption onto Jordanian zeolitic tuff from diesel fuel. Journal of Hazardous Materials, 2010, 182, 97-107.	6.5	21
30	Selective removal of dibenzothiophene from commercial diesel using manganese dioxide-modified activated carbon: a kinetic study. Environmental Technology (United Kingdom), 2015, 36, 98-105.	1.2	21
31	Minimisation of organosulphur compounds by activated carbon from commercial diesel fuel: Mechanistic study. Chemical Engineering Journal, 2010, 162, 669-676.	6.6	19
32	A simple and accurate analytical method for determination of three commercial dyes in different water systems using partial least squares regression. Water Science and Technology, 2012, 66, 1647-1655.	1.2	19
33	Fast activation of natural biomasses by microwave heating. Journal of Industrial and Engineering Chemistry, 2015, 21, 230-238.	2.9	17
34	Spatial distribution of cadmium concentrations in street dust in an arid environment. Arabian Journal of Geosciences, 2015, 8, 3171-3182.	0.6	15
35	Manganeseâ€Loaded Activated Carbon for the Removal of Organosulfur Compounds from Highâ€Sulfur Diesel Fuels. Energy Technology, 2014, 2, 802-810.	1.8	14
36	Comparison of the sorption capacity of basic, acid, direct and reactive dyes by compost in batch conditions. Journal of Environmental Management, 2021, 294, 113005.	3.8	14

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37	Activation of kaolin with minimum solvent consumption by microwave heating. Clay Minerals, 2014, 49, 667-681.	0.2	13
38	Influence of diesel acidification on dibenzothiophene removal: A new desulfurization practice. Separation and Purification Technology, 2015, 139, 1-4.	3.9	13
39	Competitive removal of textile dyes from solution by pine bark-compost in batch and fixed bed column experiments. Environmental Technology and Innovation, 2022, 27, 102421.	3.0	13
40	Determination of higher heating value of petro-diesels using mid-infrared spectroscopy and chemometry. Journal of Thermal Analysis and Calorimetry, 2012, 107, 853-862.	2.0	11
41	Application of heated date seeds as a novel extractant for diuron from water. Arabian Journal of Chemistry, 2013, 6, 121-129.	2.3	11
42	A molecularly imprinted polymer via a salicylaldiminatoâ€based cobalt(III) complex: A highly selective solidâ€phase extractant for anionic reactive dyes. Journal of Applied Polymer Science, 2010, 117, 2316-2323.	1.3	10
43	Application of mid-infrared spectroscopy and PLS-Kernel calibration for quick detection of pork in higher value meat mixes. Journal of Food Measurement and Characterization, 2017, 11, 337-346.	1.6	9
44	Higher Î±-olefins carbonylation in aqueous media by Pd(II) catalysts modified with substituted diphosphine ligands: Aqueous polyketone latices with high solid contents and molecular weights. Journal of Polymer Science Part A, 2009, 47, 6715-6725.	2.5	8
45	Application of multivariate calibration for studying competitive adsorption of two problematic colorants on acid-activated-kaolinitic clay. Research on Chemical Intermediates, 2017, 43, 523-544.	1.3	8
46	Spectroscopic quantifiication of preservatives in different food matrices using QuEChERS extraction and multivariate calibration with comparison against liquid chromatography. Arabian Journal of Chemistry, 2022, 15, 103462.	2.3	8
47	Spectrophotometric Determination of Melamine in Liquid Milk by Multivariate Second Order Calibration. Current Analytical Chemistry, 2015, 12, 74-84.	0.6	7
48	Supercritical Fluid Chromatography of Drugs: Parallel Factor Analysis for Column Testing in a Wide Range of Operational Conditions. Journal of Analytical Methods in Chemistry, 2017, 2017, 1-13.	0.7	7
49	Comprehensive classification of USA cannabis samples based on chemical profiles of major cannabinoids and terpenoids. Journal of Liquid Chromatography and Related Technologies, 2020, 43, 172-184.	0.5	7
50	Novel application of multivariate standard addition method based on net analyte signal for quantification of artificial sweeteners in complex food matrices. Journal of Food Measurement and Characterization, 2020, 14, 78-87.	1.6	6
51	Development of industrially viable geopolymers from treated petroleum fly ash. Journal of Cleaner Production, 2021, 280, 124808.	4.6	6
52	Use of citric acid and garlic extract to inhibit Salmonella enterica and Listeria monocytogenes in hummus. International Journal of Food Microbiology, 2022, 362, 109474.	2.1	6
53	A novel desulfurization practice based on diesel acidification prior to activated carbon adsorption. Korean Journal of Chemical Engineering, 2015, 32, 685-693.	1.2	5
54	Mechanistic and adsorption equilibrium studies of dibenzothiopheneâ€richâ€diesel on MnO₂â€loadedâ€activated carbon: Surface characterization. Environmental Progress and Sustainable Energy, 2017, 36, 903-913.	1.3	5

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55	Structural characterization of shale oil obtained by Soxhlet extraction. Environmental Progress and Sustainable Energy, 2019, 38, e13234.	1.3	5
56	Optimization of Direct Blue 71 sorption by organic rich-compost following multilevel multifactor experimental design. Arabian Journal of Chemistry, 2022, 15, 103468.	2.3	5
57	Deposition of two natural clays on a Pt surface using potentiostatic and spin-coating techniques: a comparative study. Clay Minerals, 2008, 43, 501-510.	0.2	4
58	Elucidation of phosphorous sorption by calcareous soils using principal component analysis. Chemistry and Ecology, 2014, 30, 133-146.	0.6	4
59	Multivariate analysis of competitive adsorption of food dyes by activated pine wood. Desalination and Water Treatment, 0, , 1-12.	1.0	4
60	Quantification of Melamine in Milk and Dairy Products by Liquid Chromatography after a Simple Sample Clean-Up Procedure. Journal of Food Processing and Preservation, 2017, 41, e12867.	0.9	4
61	Interval wavelength selection and simultaneous quantification of spectrally overlapping food colorants by multivariate calibration. Journal of Food Measurement and Characterization, 2021, 15, 2562-2575.	1.6	4
62	Linear discriminant analysis based on gas chromatographic measurements for geographical prediction of USA medical domestic cannabis. Acta Chromatographica, 2021, 33, 179-187.	0.7	4
63	Application of Partial Least Squaresâ€Kernel Calibration in Competitive Adsorption Studies Using an Effective Chemically Activated Biochar. Clean - Soil, Air, Water, 2017, 45, 1600333.	0.7	3
64	Effect of varying deposition conditions of magnetite on sawdust on the physiochemical properties of the prepared composites. Journal of Environmental Chemical Engineering, 2019, 7, 103497.	3.3	3
65	Quick monitoring of coloring agents in highly consumed candies using multivariate calibration. Arabian Journal of Chemistry, 2020, 13, 4228-4236.	2.3	3
66	Extraction and fractionation of organic matters from Jordanian-origin oil shale under different operational parameters. Petroleum Science and Technology, 2022, 40, 1212-1232.	0.7	3
67	Utilization of nanosize spent oil shale for water treatment: application of top-down nanonization technology for solid residues. Environmental Science and Pollution Research, 2022, 29, 78314-78329.	2.7	2
68	Comparison of LC and Partial Least-Squares Calibration for Analysis of Three Leachable Pesticides in Groundwater. Chromatographia, 2009, 69, 1137-1140.	0.7	1
69	Robust multivariate diagnostics for PLSR and application on high dimensional spectrally overlapped drug systems. Journal of Statistical Computation and Simulation, 2019, 89, 966-984.	0.7	1
70	Rapid and reliable chromatograhic method to monitor coloring agents in highly consumed beverages. Journal of Food Processing and Preservation, 2020, 44, e14431.	0.9	1
71	Competitive extraction of Li, Na, K, Mg and Ca ions from acidified aqueous solutions into chloroform layer containing diluted alkyl phosphates. Journal of Colloid and Interface Science, 2021, 587, 229-239.	5.0	1
72	Factorial Investigation of Cobalt Retention by Ti and Fe Oxides-Modified Carbon Nanotubes: Multivariate Against Univariate Analysis. Frontiers in Chemistry, 2021, 9, 690420.	1.8	1

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73	Application of interval wavelength selection by iterative space shrinkage approach iVISSA for spectroscopic quantification of spectrally overlapping food preservatives by multivariate calibration. Journal of Food Measurement and Characterization, 0, , 1.	1.6	1
74	A Quick Detection of Melamine Adulteration in Milk and Dairy Products Using First-Order Multivariate Calibration. Journal of Food Processing and Preservation, 2015, 39, 2718-2727.	0.9	0
75	Spatial distribution of sulfur accumulation in urban dust and its societal implications in Al Hashemiya, Jordan. Environmental Quality Management, 2022, 31, 79-87.	1.0	0