

# Yahya S Al-Degs

## List of Publications by Year in descending order

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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	Spatial distribution of sulfur accumulation in urban dust and its societal implications in Al Hashemiya, Jordan. <i>Environmental Quality Management</i> , 2022, 31, 79-87.	1.0	0
2	Spectroscopic quantification of preservatives in different food matrices using QuEChERS extraction and multivariate calibration with comparison against liquid chromatography. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103462.	2.3	8
3	Optimization of Direct Blue 71 sorption by organic rich-compost following multilevel multifactor experimental design. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103468.	2.3	5
4	Use of citric acid and garlic extract to inhibit <i>Salmonella enterica</i> and <i>Listeria monocytogenes</i> in hummus. <i>International Journal of Food Microbiology</i> , 2022, 362, 109474.	2.1	6
5	Competitive removal of textile dyes from solution by pine bark-compost in batch and fixed bed column experiments. <i>Environmental Technology and Innovation</i> , 2022, 27, 102421.	3.0	13
6	Extraction and fractionation of organic matters from Jordanian-origin oil shale under different operational parameters. <i>Petroleum Science and Technology</i> , 2022, 40, 1212-1232.	0.7	3
7	Utilization of nanosize spent oil shale for water treatment: application of top-down nanonization technology for solid residues. <i>Environmental Science and Pollution Research</i> , 2022, 29, 78314-78329.	2.7	2
8	Development of industrially viable geopolymers from treated petroleum fly ash. <i>Journal of Cleaner Production</i> , 2021, 280, 124808.	4.6	6
9	Interval wavelength selection and simultaneous quantification of spectrally overlapping food colorants by multivariate calibration. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 2562-2575.	1.6	4
10	Linear discriminant analysis based on gas chromatographic measurements for geographical prediction of USA medical domestic cannabis. <i>Acta Chromatographica</i> , 2021, 33, 179-187.	0.7	4
11	Competitive extraction of Li, Na, K, Mg and Ca ions from acidified aqueous solutions into chloroform layer containing diluted alkyl phosphates. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 229-239.	5.0	1
12	Factorial Investigation of Cobalt Retention by Ti and Fe Oxides-Modified Carbon Nanotubes: Multivariate Against Univariate Analysis. <i>Frontiers in Chemistry</i> , 2021, 9, 690420.	1.8	1
13	Comparison of the sorption capacity of basic, acid, direct and reactive dyes by compost in batch conditions. <i>Journal of Environmental Management</i> , 2021, 294, 113005.	3.8	14
14	Novel application of multivariate standard addition method based on net analyte signal for quantification of artificial sweeteners in complex food matrices. <i>Journal of Food Measurement and Characterization</i> , 2020, 14, 78-87.	1.6	6
15	Quick monitoring of coloring agents in highly consumed candies using multivariate calibration. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4228-4236.	2.3	3
16	Comprehensive classification of USA cannabis samples based on chemical profiles of major cannabinoids and terpenoids. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2020, 43, 172-184.	0.5	7
17	Rapid and reliable chromatographic method to monitor coloring agents in highly consumed beverages. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14431.	0.9	1
18	Effect of varying deposition conditions of magnetite on sawdust on the physiochemical properties of the prepared composites. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103497.	3.3	3

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19	Robust multivariate diagnostics for PLSR and application on high dimensional spectrally overlapped drug systems. <i>Journal of Statistical Computation and Simulation</i> , 2019, 89, 966-984.	0.7	1
20	Structural characterization of shale oil obtained by Soxhlet extraction. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, e13234.	1.3	5
21	Quantification of Melamine in Milk and Dairy Products by Liquid Chromatography after a Simple Sample Clean-Up Procedure. <i>Journal of Food Processing and Preservation</i> , 2017, 41, e12867.	0.9	4
22	Mechanistic and adsorption equilibrium studies of dibenzothiophene in diesel on MnO <sub>2</sub> -loaded activated carbon: Surface characterization. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 903-913.	1.3	5
23	Application of Partial Least Squares-Kernel Calibration in Competitive Adsorption Studies Using an Effective Chemically Activated Biochar. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600333.	0.7	3
24	Application of multivariate calibration for studying competitive adsorption of two problematic colorants on acid-activated-kaolinitic clay. <i>Research on Chemical Intermediates</i> , 2017, 43, 523-544.	1.3	8
25	Application of mid-infrared spectroscopy and PLS-Kernel calibration for quick detection of pork in higher value meat mixes. <i>Journal of Food Measurement and Characterization</i> , 2017, 11, 337-346.	1.6	9
26	Supercritical Fluid Chromatography of Drugs: Parallel Factor Analysis for Column Testing in a Wide Range of Operational Conditions. <i>Journal of Analytical Methods in Chemistry</i> , 2017, 2017, 1-13.	0.7	7
27	Conventional and Upcoming Sulfur-Cleaning Technologies for Petroleum Fuel: A Review. <i>Energy Technology</i> , 2016, 4, 679-699.	1.8	56
28	A Quick Detection of Melamine Adulteration in Milk and Dairy Products Using First-Order Multivariate Calibration. <i>Journal of Food Processing and Preservation</i> , 2015, 39, 2718-2727.	0.9	0
29	Spectrophotometric Determination of Melamine in Liquid Milk by Multivariate Second Order Calibration. <i>Current Analytical Chemistry</i> , 2015, 12, 74-84.	0.6	7
30	A novel desulfurization practice based on diesel acidification prior to activated carbon adsorption. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 685-693.	1.2	5
31	Selective removal of dibenzothiophene from commercial diesel using manganese dioxide-modified activated carbon: a kinetic study. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 98-105.	1.2	21
32	Fast activation of natural biomasses by microwave heating. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 230-238.	2.9	17
33	Influence of diesel acidification on dibenzothiophene removal: A new desulfurization practice. <i>Separation and Purification Technology</i> , 2015, 139, 1-4.	3.9	13
34	Spatial distribution of cadmium concentrations in street dust in an arid environment. <i>Arabian Journal of Geosciences</i> , 2015, 8, 3171-3182.	0.6	15
35	Activation of kaolin with minimum solvent consumption by microwave heating. <i>Clay Minerals</i> , 2014, 49, 667-681.	0.2	13
36	Manganese-Loaded Activated Carbon for the Removal of Organosulfur Compounds from High-Sulfur Diesel Fuels. <i>Energy Technology</i> , 2014, 2, 802-810.	1.8	14

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37	Characterization and utilization of fly ash of heavy fuel oil generated in power stations. Fuel Processing Technology, 2014, 123, 41-46.	3.7	38
38	Elucidation of phosphorous sorption by calcareous soils using principal component analysis. Chemistry and Ecology, 2014, 30, 133-146.	0.6	4
39	Studying competitive sorption behavior of methylene blue and malachite green using multivariate calibration. Chemical Engineering Journal, 2014, 240, 554-564.	6.6	46
40	Application of heated date seeds as a novel extractant for diuron from water. Arabian Journal of Chemistry, 2013, 6, 121-129.	2.3	11
41	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
42	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
43	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
44	Analyzing adsorption data of erythrosine dye using principal component analysis. Chemical Engineering Journal, 2012, 191, 185-194.	6.6	35
45	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
46	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
47	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
48	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
49	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
50	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
51	A molecularly imprinted polymer via a salicylaldiminato-based cobalt(III) complex: A highly selective solid-phase extractant for anionic reactive dyes. Journal of Applied Polymer Science, 2010, 117, 2316-2323.	1.3	10
52	Characteristics of organosulphur compounds adsorption onto Jordanian zeolitic tuff from diesel fuel. Journal of Hazardous Materials, 2010, 182, 97-107.	6.5	21
53	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
54	Minimisation of organosulphur compounds by activated carbon from commercial diesel fuel: Mechanistic study. Chemical Engineering Journal, 2010, 162, 669-676.	6.6	19

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55	Application of chemometrics and FTIR for determination of viscosity index and base number of motor oils. <i>Talanta</i> , 2010, 81, 1096-1101.	2.9	41
56	Preparation of highly selective solid-phase extractants for Cibacron reactive dyes using molecularly imprinted polymers. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1055-1062.	1.9	26
57	Higher $\alpha$ -olefins carbonylation in aqueous media by Pd(II) catalysts modified with substituted diphosphine ligands: Aqueous polyketone latices with high solid contents and molecular weights. <i>Journal of Polymer Science Part A</i> , 2009, 47, 6715-6725.	2.5	8
58	Adsorption characteristics of reactive dyes in columns of activated carbon. <i>Journal of Hazardous Materials</i> , 2009, 165, 944-949.	6.5	168
59	Simultaneous determination of pesticides at trace levels in water using multiwalled carbon nanotubes as solid-phase extractant and multivariate calibration. <i>Journal of Hazardous Materials</i> , 2009, 169, 128-135.	6.5	66
60	Determination of three dyes in commercial soft drinks using HLA/GO and liquid chromatography. <i>Food Chemistry</i> , 2009, 117, 485-490.	4.2	94
61	Comparison of LC and Partial Least-Squares Calibration for Analysis of Three Leachable Pesticides in Groundwater. <i>Chromatographia</i> , 2009, 69, 1137-1140.	0.7	1
62	Effect of solution pH, ionic strength, and temperature on adsorption behavior of reactive dyes on activated carbon. <i>Dyes and Pigments</i> , 2008, 77, 16-23.	2.0	1,006
63	Critical evaluation and comparison of enrichment efficiency of multi-walled carbon nanotubes, C18 silica and activated carbon towards some pesticides from environmental waters. <i>Talanta</i> , 2008, 74, 1675-1680.	2.9	109
64	Solid-phase extraction and simultaneous determination of trace amounts of sulphonated and azo sulphonated dyes using microemulsion-modified-zeolite and multivariate calibration. <i>Talanta</i> , 2008, 75, 904-915.	2.9	59
65	Determination of motor gasoline adulteration using FTIR spectroscopy and multivariate calibration. <i>Talanta</i> , 2008, 76, 1105-1112.	2.9	79
66	Preconcentration and determination of high leachable pesticides residues in water using solid-phase extraction coupled with high-performance liquid chromatography. <i>International Journal of Environmental Analytical Chemistry</i> , 2008, 88, 487-498.	1.8	22
67	Deposition of two natural clays on a Pt surface using potentiostatic and spin-coating techniques: a comparative study. <i>Clay Minerals</i> , 2008, 43, 501-510.	0.2	4
68	Oxidized activated carbon as support for titanium dioxide in UV-assisted degradation of 3-chlorophenol. <i>Separation and Purification Technology</i> , 2007, 54, 117-123.	3.9	36
69	Effect of dimensions of multi-walled carbon nanotubes on its enrichment efficiency of metal ions from environmental waters. <i>Analytica Chimica Acta</i> , 2007, 604, 119-126.	2.6	61
70	Sorption of Zn(II), Pb(II), and Co(II) using natural sorbents: Equilibrium and kinetic studies. <i>Water Research</i> , 2006, 40, 2645-2658.	5.3	353
71	Isothermal and kinetic adsorption behaviour of Pb <sup>2+</sup> ions on natural silicate minerals. <i>Clay Minerals</i> , 2003, 38, 501-509.	0.2	34
72	Sorption of lead ions on diatomite and manganese oxides modified diatomite. <i>Water Research</i> , 2001, 35, 3724-3728.	5.3	271

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73	Effect of carbon surface chemistry on the removal of reactive dyes from textile effluent. Water Research, 2000, 34, 927-935.	5.3	506
74	Multivariate analysis of competitive adsorption of food dyes by activated pine wood. Desalination and Water Treatment, 0, , 1-12.	1.0	4
75	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