

Deniz Bingöl

List of Publications by Year in descending order

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45
papers

1,364
citations

430843

18
h-index

345203

36
g-index

45
all docs

45
docs citations

45
times ranked

1666
citing authors

#	ARTICLE	IF	CITATIONS
1	Geochemical and spectroscopic investigations of Cd and Pb sorption mechanisms on contrasting biochars: Engineering implications. <i>Bioresource Technology</i> , 2014, 171, 442-451.	9.6	158
2	Brilliant Yellow dye adsorption onto sepiolite using a full factorial design. <i>Applied Clay Science</i> , 2010, 50, 315-321.	5.2	156
3	Comparison of the results of response surface methodology and artificial neural network for the biosorption of lead using black cumin. <i>Bioresource Technology</i> , 2012, 112, 111-115.	9.6	131
4	Dissolution kinetics of malachite in ammonia/ammonium carbonate leaching. <i>Hydrometallurgy</i> , 2005, 76, 55-62.	4.3	113
5	Dissolution kinetics of malachite in sulphuric acid. <i>Hydrometallurgy</i> , 2004, 72, 159-165.	4.3	88
6	Removal of some heavy metals onto mechanically activated fly ash: Modeling approach for optimization, isotherms, kinetics and thermodynamics. <i>Chemical Engineering Research and Design</i> , 2017, 109, 288-300.	5.6	59
7	Removal of anionic surfactant sodium dodecyl sulfate from aqueous solutions by O ₃ /UV/H ₂ O ₂ advanced oxidation process: Process optimization with response surface methodology approach. <i>Sustainable Environment Research</i> , 2018, 28, 65-71.	4.2	51
8	Use of response surface methodology for pretreatment of hospital wastewater by O ₃ /UV and O ₃ /UV/H ₂ O ₂ processes. <i>Separation and Purification Technology</i> , 2014, 132, 561-567.	7.9	49
9	Analysis of adsorption of reactive azo dye onto CuCl ₂ doped polyaniline using Box-Behnken design approach. <i>Synthetic Metals</i> , 2012, 162, 1566-1571.	3.9	37
10	Chemometric evaluation of the heavy metals distribution in waters from the Dilovas region in Kocaeli, Turkey. <i>Marine Pollution Bulletin</i> , 2013, 68, 134-139.	5.0	35
11	A novel reagent-assisted mechanochemical method for nickel recovery from lateritic ore. <i>Journal of Cleaner Production</i> , 2018, 199, 616-632.	9.3	33
12	Optimization of the solid phase extraction method for determination of Cu(II) in natural waters by using response surface methodology. <i>Analyst</i> , 2011, 136, 4036.	3.5	28
13	Evaluation of Copper Biosorption onto Date Palm (<i>Phoenix dactylifera</i> L.) Seeds with MLR and ANFIS Models. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 4429-4435.	3.7	27
14	Fabrication and characterization of novel macroporous Jeffamine/diamino hexane cryogels for enhanced Cu(II) metal uptake: Optimization, isotherms, kinetics and thermodynamic studies. <i>Chemical Engineering Research and Design</i> , 2017, 117, 122-138.	5.6	26
15	Vortex assisted-ionic liquid dispersive liquid-liquid microextraction and spectrophotometric determination of quercetin in tea, honey, fruit juice and wine samples after optimization based on response surface methodology. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 221, 117166.	3.9	25
16	Neural model for the leaching of celestite in sodium carbonate solution. <i>Chemical Engineering Journal</i> , 2010, 165, 617-624.	12.7	22
17	Ionic hydrophobic deep eutectic solvents in developing air-assisted liquid-phase microextraction based on experimental design: Application to flame atomic absorption spectrometry determination of cobalt in liquid and solid samples. <i>Food Chemistry</i> , 2021, 350, 129237.	8.2	22
18	Production of SrCO ₃ and (NH ₄) ₂ SO ₄ by the dry mechanochemical processing of celestite. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 834-838.	5.8	21

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19	Simple and Green Heat-Induced Deep Eutectic Solvent Microextraction for Determination of Lead and Cadmium in Vegetable Samples by Flame Atomic Absorption Spectrometry: a Multivariate Study. <i>Biological Trace Element Research</i> , 2020, 198, 324-331.	3.5	20
20	Cinnamon bark as low-cost and eco-friendly adsorbent for the removal of indigo carmine and malachite green dyestuffs. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 735-757.	3.3	20
21	Trace elements and nutrients adsorption onto nano-maghemite in a contaminated-soil solution: A geochemical/statistical approach. <i>Journal of Hazardous Materials</i> , 2014, 276, 271-277.	12.4	18
22	Determination of trace elements in fly ash samples by FAAS after applying different digestion procedure. <i>Talanta</i> , 2005, 66, 600-604.	5.5	17
23	Full Factorial Design Approach to Hg(II) Adsorption onto Hydrogels. <i>Arabian Journal for Science and Engineering</i> , 2015, 40, 109-116.	1.1	16
24	Process modeling and thermodynamics and kinetics evaluation of Basic Yellow 28 adsorption onto sepiolite. <i>Desalination and Water Treatment</i> , 2015, 54, 2023-2035.	1.0	16
25	Application of Response Surface Methodology to Electrocoagulation Treatment of Hospital Wastewater. <i>Clean - Soil, Air, Water</i> , 2016, 44, 1516-1522.	1.1	16
26	New Inorganic-Organic Hybrid Materials and Their Oxides for Removal of Heavy Metal Ions: Response Surface Methodology Approach. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 427-435.	3.7	16
27	Drinking water quality control: control charts for turbidity and pH. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2016, 6, 511-518.	1.8	15
28	Optimization of the Wet Mechanochemical Process Conditions of SrSO ₄ to SrCO ₃ and (NH ₄) ₂ SO ₄ by Using Response Surface Methodology. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2012, 43, 1214-1219.	2.1	14
29	Multivariate optimization for removal of some heavy metals using novel inorganic-organic hybrid and calcined materials. <i>Separation Science and Technology</i> , 2018, 53, 2563-2572.	2.5	14
30	Optimization of the Experimental Variables Influencing the Corrosion Rate of Aluminum Using Response Surface Methodology. <i>Corrosion</i> , 2013, 69, 462-467.	1.1	13
31	Removal of Lead (II) from Aqueous Solution on Multiwalled Carbon Nanotube by Using Response Surface Methodology. <i>Spectroscopy Letters</i> , 2012, 45, 324-329.	1.0	12
32	Performance evaluation of leaching processes with and without ultrasound effect combined with reagent-assisted mechanochemical process for nickel recovery from Laterite: Process optimization and kinetic evaluation. <i>Minerals Engineering</i> , 2020, 157, 106562.	4.3	9
33	Response surface methodology approach to leaching of nickel laterite and evaluation of different analytical techniques used for the analysis of leached solutions. <i>Analytical Methods</i> , 2016, 8, 3075-3087.	2.7	8
34	A new Schiff base: Synthesis, characterization and optimization of metal ions-binding properties. <i>Separation Science and Technology</i> , 2016, 51, 2138-2144.	2.5	8
35	Investigation of the effect of physical conditions of a coating bath on the corrosion behavior of zinc coating using response surface methodology. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2015, 51, 304-309.	1.1	7
36	Comparison of multiple regression analysis using dummy variables and a NARX network model: an example of a heavy metal adsorption process. <i>Water and Environment Journal</i> , 2018, 32, 186-196.	2.2	7

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37	Quantification of tributyltin in seawater using triple isotope dilution gas chromatography–inductively coupled plasma mass spectrometry achieving high accuracy and complying with European Water Framework Directive limits. <i>Journal of Chromatography A</i> , 2021, 1637, 461847.	3.7	7
38	Sorptive performance of marine algae (<i>Ulva lactuca</i> Linnaeus, 1753) with and without ultrasonic-assisted to remove Hg(II) ions from aqueous solutions: optimisation, equilibrium and kinetic evaluation. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 1428-1451.	3.3	6
39	Optimising the influence of novel citric acid-assisted mechanochemical modification of corncob on Cu ²⁺ , Pb ²⁺ and Zn ²⁺ removal. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 1158-1182.	3.3	6
40	Optimization of Ultrasonication Process for the Degradation of Linear Alkyl Benzene Sulfonic Acid by Response Surface Methodology. <i>Clean - Soil, Air, Water</i> , 2018, 46, 1700508.	1.1	5
41	Performance assessment and statistical modeling of modification and adsorptive properties of a lignocellulosic waste modified using reagent assisted mechanochemical process as a low-cost and high-performance method. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 15, 100226.	3.3	5
42	A novel composite derived from carbonized hawthorn waste pulp/marble waste powder by ball milling: preparation, characterization, and usability as bifunctional adsorbent. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 3765-3784.	4.6	4
43	Selective nickel recovery from iron-rich solutions. <i>Separation Science and Technology</i> , 2018, 53, 559-566.	2.5	3
44	The use of pomegranate seed activated by mechanochemical process as a novel adsorbent for the removal of anionic dyestuffs: response surface method approach. <i>Chemical Engineering Communications</i> , 2021, 208, 1279-1300.	2.6	1
45	Comparison of regression and design models for biosorption process. , 0, 145, 107-119.		0