

Mahmut BayramoÄlu

List of Publications by Year in descending order

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76
papers

4,788
citations

172386

29
h-index

95218

68
g-index

77
all docs

77
docs citations

77
times ranked

4405
citing authors

#	ARTICLE	IF	CITATIONS
1	Treatment of textile wastewaters by electrocoagulation using iron and aluminum electrodes. Journal of Hazardous Materials, 2003, 100, 163-178.	6.5	610
2	Photocatalytic decolorization of Remazol Red RR in aqueous ZnO suspensions. Applied Catalysis B: Environmental, 2004, 54, 19-24.	10.8	422
3	Operating cost analysis of electrocoagulation of textile dye wastewater. Separation and Purification Technology, 2004, 37, 117-125.	3.9	366
4	Decolorization of Reactive Dye Solutions by Electrocoagulation Using Aluminum Electrodes. Industrial & Engineering Chemistry Research, 2003, 42, 3391-3396.	1.8	269
5	Biodiesel production from sunflower, soybean, and waste cooking oils by transesterification using lipase immobilized onto a novel microporous polymer. Bioresource Technology, 2009, 100, 1983-1991.	4.8	242
6	Treatment of the textile wastewater by electrocoagulation. Chemical Engineering Journal, 2007, 128, 155-161.	6.6	229
7	Treatment of levafix orange textile dye solution by electrocoagulation. Journal of Hazardous Materials, 2006, 132, 183-188.	6.5	216
8	Optimization of cutting fluids and cutting parameters during end milling by using D-optimal design of experiments. Journal of Cleaner Production, 2013, 42, 159-166.	4.6	198
9	Treatment of poultry slaughterhouse wastewaters by electrocoagulation. Journal of Hazardous Materials, 2006, 133, 172-176.	6.5	192
10	Kinetics of the Photocatalytic Decolorization of an Azo Reactive Dye in Aqueous ZnO Suspensions. Industrial & Engineering Chemistry Research, 2004, 43, 6035-6039.	1.8	152
11	Techno-economical evaluation of electrocoagulation for the textile wastewater using different electrode connections. Journal of Hazardous Materials, 2007, 148, 311-318.	6.5	148
12	Photocatalytic degradation of Remazol Red F3B using ZnO catalyst. Journal of Hazardous Materials, 2005, 124, 241-246.	6.5	139
13	Technical and economic analysis of electrocoagulation for the treatment of poultry slaughterhouse wastewater. Separation and Purification Technology, 2006, 51, 404-408.	3.9	108
14	The statistical modeling of surface roughness in high-speed flat end milling. International Journal of Machine Tools and Manufacture, 2006, 46, 1395-1402.	6.2	103
15	Study on the treatment of waste metal cutting fluids using electrocoagulation. Separation and Purification Technology, 2008, 60, 285-291.	3.9	102
16	Adaptive neuro-fuzzy based modelling for prediction of air pollution daily levels in city of Zonguldak. Chemosphere, 2006, 63, 1575-1582.	4.2	81
17	Leaching of silver from solid waste using ultrasound assisted thiourea method. Ultrasonics Sonochemistry, 2005, 12, 237-242.	3.8	74
18	Selection of catalyst and reaction conditions for ultrasound assisted biodiesel production from canola oil. Renewable Energy, 2018, 116, 543-551.	4.3	63

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19	Statistical modeling of sulfuric acid leaching of TiO ₂ from red mud. Hydrometallurgy, 2000, 57, 181-186.	1.8	62
20	Effect of ultrasound on the dissolution of colemanite in H ₂ SO ₄ . Hydrometallurgy, 2002, 67, 79-86.	1.8	51
21	Ultrasound assisted biodiesel production in presence of dolomite catalyst. Fuel, 2016, 180, 624-629.	3.4	50
22	Statistical modeling and optimization of ultrasound-assisted sulfuric acid leaching of TiO ₂ from red mud. Hydrometallurgy, 2004, 71, 397-401.	1.8	48
23	The effect of process conditions on the treatment of benzoquinone solution by electrocoagulation. Journal of Hazardous Materials, 2010, 173, 731-736.	6.5	45
24	The degradation of an azo dye in a batch slurry photocatalytic reactor. Chemical Engineering and Processing: Process Intensification, 2008, 47, 2150-2156.	1.8	43
25	Kinetic Approach for Investigating the "Microwave Effect" Decomposition of Aqueous Potassium Persulfate. Industrial & Engineering Chemistry Research, 2011, 50, 6629-6637.	1.8	43
26	A new approach to estimate anthropometric measurements by adaptive neuro-fuzzy inference system. International Journal of Industrial Ergonomics, 2003, 32, 105-114.	1.5	41
27	Effect of ultrasound on the dissolution kinetics of phosphate rock in HNO ₃ . Ultrasonics Sonochemistry, 2001, 8, 373-377.	3.8	35
28	Optimization of ultrasound-assisted extraction of phenolic compounds from grapefruit (<i>Citrus Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 and quantitative variables. Journal of the Science of Food and Agriculture, 2018, 98, 4584-4596.	1.7	35
29	Treatment of hydroquinone by photochemical oxidation and electrocoagulation combined process. Journal of Water Process Engineering, 2015, 8, 45-54.	2.6	31
30	Kinetics of the reduction of MnO ₂ with Fe ²⁺ ions in acidic solutions. Hydrometallurgy, 1993, 32, 9-20.	1.8	30
31	Green synthesis of TiO ₂ /GO/chitosan by using leaf extract of <i>Olea europaea</i> as a highly efficient photocatalyst for the degradation of cefixime trihydrate under UV-A radiation exposure: An optimization study with d-optimal design. Journal of Molecular Structure, 2021, 1234, 130194.	1.8	28
32	A thermodynamic model of a solar assisted heat pump system with energy storage. Solar Energy, 1996, 56, 485-492.	2.9	26
33	Photocatalytic performance of ZnO coated tubular reactor. Journal of Hazardous Materials, 2010, 180, 466-473.	6.5	26
34	Preparation and characterization of supported ZnO photocatalyst by zincate method. Journal of Hazardous Materials, 2010, 175, 484-491.	6.5	25
35	Various aspects of ultrasound assisted emulsion polymerization process. Ultrasonics Sonochemistry, 2014, 21, 1592-1599.	3.8	24
36	Nickel Removal from Waters Using Surfactant-Enhanced Hybrid PAC/MF Process. I. The Influence of System-Component Variables. Industrial & Engineering Chemistry Research, 2006, 45, 3926-3933.	1.8	23

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37	Electrocoagulation of azo dye production wastewater with iron electrodes: process evaluation by multi-response central composite design. <i>Coloration Technology</i> , 2009, 125, 234-241.	0.7	23
38	The effects of microwave power and dielectric properties on the microwave-assisted decomposition kinetics of AIBN in n-butanol. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 299-304.	2.9	23
39	An approach to controlling sludge age in the activated sludge process. <i>Water Research</i> , 1995, 29, 1093-1097.	5.3	22
40	A modeling approach for iron concentration in sand filtration effluent using adaptive neuro-fuzzy model. <i>Expert Systems With Applications</i> , 2010, 37, 1369-1373.	4.4	22
41	Statistical Modelling of Sulphuric Acid Leaching of TiO ₂ , Fe ₂ O ₃ and Al ₂ O ₃ from Red Mud. <i>Chemical Engineering Research and Design</i> , 2001, 79, 291-296.	2.7	21
42	Emulsion polymerization of styrene under continuous microwave irradiation. <i>European Polymer Journal</i> , 2015, 69, 374-384.	2.6	21
43	Exergy and structural analysis of raw juice production and steam-power units of a sugar production plant. <i>Energy</i> , 2001, 26, 287-297.	4.5	19
44	Ce _{0.8} Sm _{0.2} O _{1.9} synthesis for solid oxide fuel cell electrolyte by ultrasound assisted co-precipitation method. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 978-983.	3.8	19
45	Nickel Removal from Waters Using a Surfactant-Enhanced Hybrid Powdered Activated Carbon/Microfiltration Process. II. The Influence of Process Variables. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 903-913.	1.8	15
46	Comparison of microwave-assisted techniques for the extraction of antioxidants from <i>Citrus paradisi</i> Macf. biowastes. <i>Journal of Food Science and Technology</i> , 2021, 58, 1190-1198.	1.4	15
47	Modeling the dissolution kinetics of Trona in NaOH solution. <i>International Journal of Mineral Processing</i> , 1993, 39, 19-29.	2.6	14
48	Microwave-Assisted Dissolution of Pyrite in Acidic Ferric Sulfate Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 5145-5150.	1.8	14
49	Dissolution kinetics of Mazidagi phosphate rock in HNO ₃ solution. <i>International Journal of Mineral Processing</i> , 1995, 43, 249-254.	2.6	13
50	A Comparative Study on the Structure-Performance Relationships of Chemically and Electrochemically Coagulated Al(OH) ₃ Floccs. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 3528-3538.	1.8	13
51	A mathematical modeling of sulphur dioxide pollution in Erzurum City. <i>Environmental Pollution</i> , 2002, 118, 411-417.	3.7	12
52	Modeling and optimization of acid dye manufacturing wastewater treatment with Fenton's reagent: comparison with electrocoagulation treatment results and effects on activated sludge inhibition. <i>Water Science and Technology</i> , 2010, 62, 209-216.	1.2	12
53	Reusability and regeneration of solid catalysts used in ultrasound assisted biodiesel production. <i>Turkish Journal of Chemistry</i> , 2021, 45, 342-347.	0.5	12
54	Modelling of Oxygen Transfer Rate in Diffused-Air Aeration Tanks. <i>Chemical Engineering Research and Design</i> , 2000, 78, 209-212.	2.7	11

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55	Modelling the Effects of Adsorbent Dose and Particle Size on the Adsorption of Cr(VI) Ions from Aqueous Solutions. <i>Adsorption Science and Technology</i> , 2004, 22, 583-594.	1.5	11
56	Investigation of the Microwave Effect: A New Approach for the Solvent Effect on the Microwave-Assisted Decomposition Reaction of 2,2'-Azobis(isobutyronitrile). <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 13016-13022.	1.8	11
57	The Effect of the Liquid-Phase Activity Model on the Simulation of Ethyl Acetate Production by Reactive Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 3639-3646.	1.8	10
58	Ultrasound assisted synthesis of Gd and Nd doped ceria electrolyte for solid oxide fuel cells. <i>Ceramics International</i> , 2013, 39, 5219-5225.	2.3	8
59	Poly (l-lactic acid) synthesis using continuous microwave irradiation – simultaneous cooling method. <i>Chemical Engineering Communications</i> , 2018, 205, 1665-1677.	1.5	8
60	Graphene Synthesis by Ultrasound Energy-Assisted Exfoliation of Graphite in Various Solvents. <i>Crystals</i> , 2020, 10, 1037.	1.0	8
61	An electrochemical model for reduction of MnO ₂ with Fe ²⁺ ions. <i>Journal of Applied Electrochemistry</i> , 1993, 23, 1273.	1.5	7
62	Environmental aspects of direct methanol fuel cell: Experimental detection of methanol electro-oxidation products. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1847-1855.	1.3	7
63	Optimization of Scaled Parameters and Setting Minimum Rule Base for a Fuzzy Controller in a Lab-Scale pH Process. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 3335-3344.	1.8	5
64	A MINLP Study on Shell and Tube Heat Exchanger: Hybrid Branch and Bound/Meta-heuristics Approaches. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 14158-14170.	1.8	5
65	Kinetics of the dissociation of calcium monobasic phosphate monohydrate in ethyl alcohol. <i>Industrial & Engineering Chemistry Research</i> , 1992, 31, 1602-1606.	1.8	4
66	Adaptive Neuro-Fuzzy Modeling of Head Loss in Iron Removal with Rapid Sand Filtration. <i>Water Environment Research</i> , 2008, 80, 2268-2275.	1.3	4
67	Regioselective nitration of phenol under continuous microwave irradiation. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2017, 51, 314-324.	0.4	4
68	Performance comparison of ZnO photocatalyst in various reactor systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 1455-1462.	1.6	3
69	Mathematical modelling of liquid heating-cooling in the multimode microwave system. <i>Applied Thermal Engineering</i> , 2020, 165, 114556.	3.0	3
70	Molybdenum compound cocatalyzed Ni-based anode electrocatalysts for EOR in alkaline media. <i>International Journal of Energy Research</i> , 2021, 45, 12806-12824.	2.2	3
71	Kinetics of phosphoric acid production by decomposition of monocalcium phosphate in ethanol. <i>International Journal of Mineral Processing</i> , 1992, 36, 259-271.	2.6	2
72	Experimental data in support of continuous microwave effect on emulsion polymerization of styrene. <i>Data in Brief</i> , 2015, 4, 454-460.	0.5	2

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73	Experimental evaluation of the efficiency performance of the DMFC. Environmental Progress and Sustainable Energy, 2020, 39, e13454.	1.3	1
74	Kinetics of coupling of diazotized sulfanilamid with 1-naphthylamine. International Journal of Chemical Kinetics, 1993, 25, 881-889.	1.0	0
75	Adaptive Neuro-Fuzzy Based Method for Daily Estimation of So2 Concentration in City of Zonguldak. , 2004, , 559-567.		0
76	Determination of component drags coefficients in direct methanol fuel cell. Sustainable Energy Technologies and Assessments, 2022, 52, 102212.	1.7	0