

Mehmet Kobya

List of Publications by Year in descending order

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109
papers

9,509
citations

50244

46
h-index

38368

95
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109
all docs

109
docs citations

109
times ranked

7031
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-based ZnCr layered double hydroxide nanocomposites as bactericidal agents with high sonophotocatalytic performances for degradation of rifampicin. <i>Chemosphere</i> , 2022, 286, 131740.	4.2	44
2	High-performance carbon black electrode for oxygen reduction reaction and oxidation of atrazine by electro-Fenton process. <i>Chemosphere</i> , 2022, 287, 132370.	4.2	32
3	How does arsenic speciation (arsenite and arsenate) in groundwater affect the performance of an aerated electrocoagulation reactor and human health risk?. <i>Science of the Total Environment</i> , 2022, 808, 152135.	3.9	6
4	Zinc-chromium layered double hydroxides anchored on carbon nanotube and biochar for ultrasound-assisted photocatalysis of rifampicin. <i>Ultrasonics Sonochemistry</i> , 2022, 82, 105875.	3.8	22
5	Arsenic removal from groundwater using an aerated electrocoagulation reactor with 3D Al electrodes in the presence of anions. <i>Chemosphere</i> , 2021, 263, 128253.	4.2	45
6	A review on treatment of membrane concentrates generated from landfill leachate treatment processes. <i>Separation and Purification Technology</i> , 2021, 259, 118182.	3.9	95
7	Toxicity of Zn-Fe Layered Double Hydroxide to Different Organisms in the Aquatic Environment. <i>Molecules</i> , 2021, 26, 395.	1.7	18
8	Phosphorous removal from anaerobically digested municipal sludge centrate by an electrocoagulation reactor using metal (Al, Fe and Al-Fe) scrap anodes. <i>Chemical Engineering Research and Design</i> , 2021, 152, 188-200.	2.7	20
9	A study of inline chemical coagulation/precipitation-ceramic microfiltration and nanofiltration for reverse osmosis concentrate minimization and reuse in the textile industry. <i>Water Science and Technology</i> , 2021, 84, 2457-2471.	1.2	5
10	Treatment of phenol formaldehyde production wastewater by electrooxidation-electrofenton successive processes. <i>Separation Science and Technology</i> , 2020, 55, 2830-2843.	1.3	6
11	A review on decontamination of arsenic-contained water by electrocoagulation: Reactor configurations and operating cost along with removal mechanisms. <i>Environmental Technology and Innovation</i> , 2020, 17, 100519.	3.0	120
12	Treatment and operating cost analysis of metalworking wastewaters by a continuous electrocoagulation reactor. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103526.	3.3	27
13	Ammonia removal from wastewater by air stripping and recovery struvite and calcium sulphate precipitations from anesthetic gases manufacturing wastewater. <i>Journal of Water Process Engineering</i> , 2020, 38, 101641.	2.6	19
14	Treatment of coking wastewater by aeration assisted electrochemical oxidation process at controlled and uncontrolled initial pH conditions. <i>Separation and Purification Technology</i> , 2020, 248, 117043.	3.9	33
15	Degradation of thiocyanate by electrochemical oxidation process in coke oven wastewater: Role of operative parameters and mechanistic study. <i>Chemosphere</i> , 2020, 255, 127014.	4.2	37
16	Arsenite removal from groundwater by aerated electrocoagulation reactor with Al ball electrodes: Human health risk assessment. <i>Chemosphere</i> , 2020, 251, 126363.	4.2	35
17	Anodic Oxidation of Effluents from Stages of MBR-UF Municipal Landfill Leachate Treatment Plant. <i>Environmental Engineering Science</i> , 2020, 37, 702-714.	0.8	4
18	Peroxydisulfate activation by in-situ synthesized Fe ₃ O ₄ nanoparticles for degradation of atrazine: Performance and mechanism. <i>Separation and Purification Technology</i> , 2020, 247, 116925.	3.9	30

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19	Service life and stability of electrodes applied in electrochemical advanced oxidation processes: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 87, 18-39.	2.9	110
20	Removal of natural organic matter from Lake Terkos by EC process: Studying on removal mechanism by floc size and zeta potential measurement and characterization by HPSEC method. <i>Journal of Water Process Engineering</i> , 2019, 31, 100831.	2.6	10
21	Influence of arsenic and boron on the water quality index in mining stressed catchments of Emet and Orhaneli streams (Turkey). <i>Environmental Monitoring and Assessment</i> , 2019, 191, 199.	1.3	19
22	Synthesis of g-C ₃ N ₄ @CuMOFs nanocomposite with superior peroxidase mimetic activity for the fluorometric measurement of glucose. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 213, 28-36.	2.0	34
23	Arsenite removal from groundwater in a batch electrocoagulation process: Optimization through response surface methodology. <i>Separation Science and Technology</i> , 2019, 54, 775-785.	1.3	27
24	Arsenic removal from naturally arsenic contaminated ground water by packed-bed electrocoagulator using Al and Fe scrap anodes. <i>Chemical Engineering Research and Design</i> , 2019, 121, 20-31.	2.7	42
25	Treatment of domestic wastewater phosphate by electrocoagulation using Fe and Al electrodes: A comparative study. <i>Chemical Engineering Research and Design</i> , 2018, 116, 34-51.	2.7	106
26	Optimization of Beidellite/Polyaniline Production Conditions by Central Composite Design for Removal of Acid Yellow 194. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2619-2631.	2.4	15
27	Acid production potentials of massive sulfide minerals and lead-zinc mine tailings: a medium-term study. <i>Water Science and Technology</i> , 2018, 77, 260-268.	1.2	2
28	Removal of arsenate by electrocoagulation reactor using aluminum ball anode electrodes. <i>Water Practice and Technology</i> , 2018, 13, 753-763.	1.0	10
29	Phosphorus removal from domestic wastewater in electrocoagulation reactor using aluminium and iron plate hybrid anodes. <i>Ecological Engineering</i> , 2018, 123, 65-73.	1.6	96
30	Electrooxidation as post treatment of ultrafiltration effluent in a landfill leachate MBR treatment plant: Effects of BDD, Pt and DSA anode types. <i>Electrochimica Acta</i> , 2018, 286, 252-263.	2.6	78
31	Heavy metal pollution and spatial distribution in surface sediments of MustafakemalpaÅya stream located in the world's largest borate basin (Turkey). <i>Chemosphere</i> , 2018, 208, 782-792.	4.2	103
32	OPTIMIZATION OF SOME CATIONS FOR REMOVAL OF ARSENIC FROM GROUNDWATER BY ELECTROCOAGULATION PROCESS. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 1079-1093.	0.2	2
33	Electrooxidation of Alkyd Resin Production Wastewater By Boren Doped Diamond Electrode. <i>Academic Perspective Procedia</i> , 2018, 1, 1026-1033.	0.0	0
34	Treatments of alkaline non-cyanide, alkaline cyanide and acidic zinc electroplating wastewaters by electrocoagulation. <i>Chemical Engineering Research and Design</i> , 2017, 105, 373-385.	2.7	35
35	Arsenite and arsenate removals from groundwater by electrocoagulation using iron ball anodes: Influence of operating parameters. <i>Journal of Water Process Engineering</i> , 2017, 18, 83-91.	2.6	25
36	Removal of humic acid by fixed-bed electrocoagulation reactor: Studies on modelling, adsorption kinetics and HPSEC analyses. <i>Journal of Electroanalytical Chemistry</i> , 2017, 804, 199-211.	1.9	21

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37	Combined effects of co-existing anions on the removal of arsenic from groundwater by electrocoagulation process: Optimization through response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3792-3802.	3.3	24
38	Operating cost and treatment of metalworking fluid wastewater by chemical coagulation and electrocoagulation processes. <i>Chemical Engineering Research and Design</i> , 2017, 105, 79-90.	2.7	133
39	Operating parameters and costs assessments of a real dyehouse wastewater effluent treated by a continuous electrocoagulation process. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016, 101, 87-100.	1.8	138
40	Evaluation of operating parameters with respect to charge loading on the removal efficiency of arsenic from potable water by electrocoagulation. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1484-1494.	3.3	57
41	An evaluation on different origins of natural organic matters using various anodes by electrocoagulation. <i>Chemosphere</i> , 2015, 125, 108-114.	4.2	31
42	Arsenic removal from groundwater of Sivas-ÅžarkiÅŸla Plain, Turkey by electrocoagulation process: Comparing with iron plate and ball electrodes. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1096-1106.	3.3	53
43	Removal of As(V) from groundwater by a new electrocoagulation reactor using Fe ball anodes: optimization of operating parameters. <i>Desalination and Water Treatment</i> , 2015, 56, 1177-1190.	1.0	17
44	Removal of aqueous cyanide with strongly basic ion-exchange resin. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 1612-1622.	1.2	15
45	Evaluations of operating parameters on treatment of can manufacturing wastewater by electrocoagulation. <i>Journal of Water Process Engineering</i> , 2015, 8, 64-74.	2.6	77
46	Treatment of Cr, Ni and Zn from galvanic rinsing wastewater by electrocoagulation process using iron electrodes. <i>Desalination and Water Treatment</i> , 2015, 56, 1191-1201.	1.0	21
47	Removal of arsenic from drinking water by batch and continuous electrocoagulation processes using hybrid Al-Fe plate electrodes. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 131-140.	1.3	73
48	Treatment of textile dyeing wastewater by electrocoagulation using Fe and Al electrodes: optimisation of operating parameters using central composite design. <i>Coloration Technology</i> , 2014, 130, 226-235.	0.7	43
49	Removal of humic substances by electrocoagulation (EC) process and characterization of floc size growth mechanism under optimum conditions. <i>Separation and Purification Technology</i> , 2014, 133, 246-253.	3.9	50
50	The application of electrocoagulation process for treatment of the red mud dam wastewater from Bayer's process. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 2211-2220.	3.3	21
51	A comparative study of electrocoagulation and electro-Fenton for treatment of wastewater from liquid organic fertilizer plant. <i>Separation and Purification Technology</i> , 2013, 112, 11-19.	3.9	99
52	Optimization of arsenic removal from drinking water by electrocoagulation batch process using response surface methodology. <i>Desalination and Water Treatment</i> , 2013, 51, 6676-6687.	1.0	36
53	A comparative study of chemical precipitation and electrocoagulation for treatment of coal acid drainage wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 989-995.	3.3	167
54	Treatment of Baker's Yeast Wastewater by Electrocoagulation and Evaluation of Molecular Weight Distribution with HPSEC. <i>Separation Science and Technology</i> , 2013, 48, 2880-2889.	1.3	19

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55	Electrochemical treatment of Baker's yeast wastewater containing melanoidin: optimization through response surface methodology. <i>Water Science and Technology</i> , 2012, 65, 2183-2190.	1.2	18
56	Effect of operational parameters on the removal of phenol from aqueous solutions by electrocoagulation using Fe and Al electrodes. <i>Desalination and Water Treatment</i> , 2012, 46, 366-374.	1.0	22
57	Decolourization of melanoidins by a electrocoagulation process using aluminium electrodes. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 2429-2438.	1.2	20
58	Optimization of baker's yeast wastewater using response surface methodology by electrocoagulation. <i>Desalination</i> , 2012, 286, 200-209.	4.0	130
59	Optimization of Electrocoagulation Process for the Treatment of Metal Cutting Wastewaters with Response Surface Methodology. <i>Water, Air, and Soil Pollution</i> , 2011, 215, 399-410.	1.1	75
60	Removal of arsenic from drinking water by the electrocoagulation using Fe and Al electrodes. <i>Electrochimica Acta</i> , 2011, 56, 5060-5070.	2.6	185
61	Treatment of potable water containing low concentration of arsenic with electrocoagulation: Different connection modes and Fe-Al electrodes. <i>Separation and Purification Technology</i> , 2011, 77, 283-293.	3.9	152
62	Treatment of rinse water from zinc phosphate coating by batch and continuous electrocoagulation processes. <i>Journal of Hazardous Materials</i> , 2010, 173, 326-334.	6.5	132
63	Decolorisation of aqueous reactive dye Remazol Red 3B by electrocoagulation. <i>Coloration Technology</i> , 2010, 126, 282-288.	0.7	16
64	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
65	Treatment of cadmium and nickel electroplating rinse water by electrocoagulation. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 1471-1481.	1.2	74
66	Electrochemical treatment and operating cost analysis of textile wastewater using sacrificial iron electrodes. <i>Water Science and Technology</i> , 2009, 60, 2261-2270.	1.2	52
67	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
68	Removal of thiocyanate from aqueous solutions by ion exchange. <i>Journal of Hazardous Materials</i> , 2009, 166, 1367-1376.	6.5	40
69	Adsorption kinetics and equilibrium of copper from aqueous solutions using hazelnut shell activated carbon. <i>Chemical Engineering Journal</i> , 2009, 148, 480-487.	6.6	404
70	Study on the treatment of waste metal cutting fluids using electrocoagulation. <i>Separation and Purification Technology</i> , 2008, 60, 285-291.	3.9	102
71	Adsorption of reactive dyes from aqueous solutions by fly ash: Kinetic and equilibrium studies. <i>Journal of Hazardous Materials</i> , 2008, 150, 737-746.	6.5	270
72	Error analysis of equilibrium studies for the almond shell activated carbon adsorption of Cr(VI) from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2008, 154, 787-794.	6.5	112

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73	Treatment of the baker's yeast wastewater by electrocoagulation. Journal of Hazardous Materials, 2008, 154, 1133-1140.	6.5	158
74	Adsorption kinetics of a basic dye from aqueous solutions onto apricot stone activated carbon. Bioresource Technology, 2008, 99, 5368-5373.	4.8	176
75	Modeling the effects of adsorbent dose and particle size on the adsorption of reactive textile dyes by fly ash. Desalination, 2007, 212, 282-293.	4.0	98
76	Treatment of the textile wastewater by electrocoagulation. Chemical Engineering Journal, 2007, 128, 155-161.	6.6	229
77	Removal of Astrazon Yellow 7GL from aqueous solutions by adsorption onto wheat bran. Bioresource Technology, 2007, 98, 2590-2598.	4.8	144
78	The adsorption of basic dye (Astrazon Blue FGRL) from aqueous solutions onto sepiolite, fly ash and apricot shell activated carbon: Kinetic and equilibrium studies. Journal of Hazardous Materials, 2007, 147, 297-306.	6.5	141
79	Techno-economical evaluation of electrocoagulation for the textile wastewater using different electrode connections. Journal of Hazardous Materials, 2007, 148, 311-318.	6.5	148
80	Treatment of the textile wastewater by combined electrocoagulation. Chemosphere, 2006, 62, 181-187.	4.2	300
81	Treatment of potato chips manufacturing wastewater by electrocoagulation. Desalination, 2006, 190, 201-211.	4.0	266
82	Elemental analysis of trace elements in fly ash sample of YataÄŸan thermal power plants using EDXRF. Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 101, 146-150.	1.1	16
83	Technical and economic analysis of electrocoagulation for the treatment of poultry slaughterhouse wastewater. Separation and Purification Technology, 2006, 51, 404-408.	3.9	108
84	Treatment of levafix orange textile dye solution by electrocoagulation. Journal of Hazardous Materials, 2006, 132, 183-188.	6.5	216
85	Treatment of poultry slaughterhouse wastewaters by electrocoagulation. Journal of Hazardous Materials, 2006, 133, 172-176.	6.5	192
86	Adsorption Kinetics for the Removal of Nitrite Ions from Aqueous Solutions by an Ion-Exchange Resin. Adsorption Science and Technology, 2006, 24, 131-142.	1.5	8
87	Adsorption of heavy metal ions from aqueous solutions by activated carbon prepared from apricot stone. Bioresource Technology, 2005, 96, 1518-1521.	4.8	700
88	Non-steady-state kinetic analysis of coupled transport of thiocyanate ions through binary liquid membranes. Desalination, 2005, 175, 237-246.	4.0	7
89	Cyanide ions transport from aqueous solutions by using quaternary ammonium salts through bulk liquid membranes. Desalination, 2005, 180, 139-150.	4.0	16
90	Operating cost analysis of electrocoagulation of textile dye wastewater. Separation and Purification Technology, 2004, 37, 117-125.	3.9	366

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91	Removal of Cr(VI) from aqueous solutions by adsorption onto hazelnut shell activated carbon: kinetic and equilibrium studies. <i>Bioresource Technology</i> , 2004, 91, 317-321.	4.8	311
92	Effect of carrier type on coupled transport kinetics of thiocyanate ions through liquid membranes. <i>Desalination</i> , 2004, 160, 253-262.	4.0	7
93	Adsorption, Kinetic and Equilibrium Studies of Cr(VI) by Hazelnut Shell Activated Carbon. <i>Adsorption Science and Technology</i> , 2004, 22, 51-64.	1.5	136
94	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
95	Adsorption kinetics for the removal of chromium (VI) from aqueous solutions on the activated carbons prepared from agricultural wastes. <i>Water S A</i> , 2004, 30, .	0.2	317
96	Treatment of textile wastewaters by electrocoagulation using iron and aluminum electrodes. <i>Journal of Hazardous Materials</i> , 2003, 100, 163-178.	6.5	610
97	Decolorization of Reactive Dye Solutions by Electrocoagulation Using Aluminum Electrodes. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 3391-3396.	1.8	269
98	Adsorption Kinetic Models Applied to Nickel Ions on Hazelnut Shell Activated Carbons. <i>Adsorption Science and Technology</i> , 2002, 20, 179-188.	1.5	11
99	A mathematical modeling of sulphur dioxide pollution in Erzurum City. <i>Environmental Pollution</i> , 2002, 118, 411-417.	3.7	12
100	Removal of Ni(II) from aqueous solution by adsorption onto hazelnut shell activated carbon: equilibrium studies. <i>Bioresource Technology</i> , 2002, 84, 291-293.	4.8	177
101	X-RAY FLUORESCENCE SPECTROMETRY ANALYSIS OF TRACE ELEMENTS IN FLY ASH SAMPLES OF YENIKOY THERMAL POWER PLANTS. <i>Instrumentation Science and Technology</i> , 2001, 29, 433-439.	0.9	13
102	Effects of stirring speed on coupled transport of nitrate ions through liquid membranes. <i>Bioprocess and Biosystems Engineering</i> , 2000, 22, 0309-0314.	1.7	8
103	Coupled transport of cyanide ions through liquid membranes. <i>Water Science and Technology</i> , 2000, 41, 125-133.	1.2	6
104	Kinetic analysis of coupled transport of nitrite ions through liquid membranes at different temperatures. <i>Filtration and Separation</i> , 2000, 37, 51-56.	0.2	6
105	Kinetic analysis of coupled transport of thiocyanate ions through liquid membranes at different temperatures. <i>Journal of Membrane Science</i> , 1997, 130, 7-15.	4.1	40
106	Radioisotope X-ray fluorescence analysis of some elements in fly ash of Afsin-Elbistan power plants. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1996, 203, 119-123.	0.7	22
107	Analysis of Titanium and Zirconium in Red Mud With Energy Dispersive X-Ray Spectrometry. <i>Instrumentation Science and Technology</i> , 1996, 24, 277-282.	0.9	14
108	Polyaniline-coated charcoal ash: a novel high-capacity adsorbent for removal of thiocyanate ions from aqueous solutions. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-19.	1.8	4

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109	Optimisation of preparation of hazelnut shell activated carbon for adsorption of Cr (III). Journal of Environmental Engineering and Science, 0, , 1-8.	0.3	0