

Bestamin ã-zkaya

List of Publications by Year in descending order

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103
papers

3,102
citations

147801

31
h-index

175258

52
g-index

105
all docs

105
docs citations

105
times ranked

3660
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption and desorption of phenol on activated carbon and a comparison of isotherm models. <i>Journal of Hazardous Materials</i> , 2006, 129, 158-163.	12.4	295
2	A review on anaerobic biofilm reactors for the treatment of dairy industry wastewater. <i>Process Biochemistry</i> , 2015, 50, 262-271.	3.7	207
3	Microbial electrochemical technologies with the perspective of harnessing bioenergy: Maneuvering towards upscaling. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 462-476.	16.4	180
4	Influence of leachate recirculation on aerobic and anaerobic decomposition of solid wastes. <i>Journal of Hazardous Materials</i> , 2007, 143, 177-183.	12.4	170
5	Neural network prediction model for the methane fraction in biogas from field-scale landfill bioreactors. <i>Environmental Modelling and Software</i> , 2007, 22, 815-822.	4.5	129
6	Neural network prediction of nitrate in groundwater of Harran Plain, Turkey. <i>Environmental Geology</i> , 2008, 56, 19-25.	1.2	103
7	ARTIFICIAL INTELLIGENCE-BASED PREDICTION MODELS FOR ENVIRONMENTAL ENGINEERING. <i>Neural Network World</i> , 2011, 21, 193-218.	0.8	87
8	Bioelectricity generation in continuously-fed microbial fuel cell: Effects of anode electrode material and hydraulic retention time. <i>Bioresource Technology</i> , 2013, 149, 459-464.	9.6	78
9	Molecular weight distribution of a full-scale landfill leachate treatment by membrane bioreactor and nanofiltration membrane. <i>Waste Management</i> , 2013, 33, 866-870.	7.4	78
10	NN-LEAP: A neural network-based model for controlling leachate flow-rate in a municipal solid waste landfill site. <i>Environmental Modelling and Software</i> , 2006, 21, 1190-1197.	4.5	76
11	Profiling of bacterial community in a full-scale aerobic composting plant. <i>International Biodeterioration and Biodegradation</i> , 2013, 77, 85-90.	3.9	72
12	A review on fermentative hydrogen production from dairy industry wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1627-1636.	3.2	68
13	Arsenic removal from acidic solutions with biogenic ferric precipitates. <i>Journal of Hazardous Materials</i> , 2016, 306, 124-132.	12.4	67
14	Fluidized bed bioreactor for multiple environmental engineering solutions. <i>Water Research</i> , 2019, 150, 452-465.	11.3	54
15	Metal concentrations of simulated aerobic and anaerobic pilot scale landfill reactors. <i>Journal of Hazardous Materials</i> , 2007, 145, 186-194.	12.4	52
16	Quality and Quantity of Leachate in Aerobic Pilot-Scale Landfills. <i>Environmental Management</i> , 2006, 38, 189-196.	2.7	51
17	Chlorophenols in leachates originating from different landfills and aerobic composting plants. <i>Journal of Hazardous Materials</i> , 2005, 124, 107-112.	12.4	50
18	COD fractions of leachate from aerobic and anaerobic pilot scale landfill reactors. <i>Journal of Hazardous Materials</i> , 2008, 158, 157-163.	12.4	47

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19	The fouling effects of microalgal cells on crossflow membrane filtration. <i>Journal of Membrane Science</i> , 2016, 499, 116-125.	8.2	47
20	Biooxidation and precipitation for iron and sulfate removal from heap bioleaching effluent streams. <i>Hydrometallurgy</i> , 2010, 101, 7-14.	4.3	45
21	Mineral and iron oxidation at low temperatures by pure and mixed cultures of acidophilic microorganisms. <i>Biotechnology and Bioengineering</i> , 2007, 97, 1205-1215.	3.3	43
22	Electricity production by a microbial fuel cell fueled by brewery wastewater and the factors in its membrane deterioration. <i>Chinese Journal of Catalysis</i> , 2015, 36, 1068-1076.	14.0	42
23	Use of landfill leachate as a carbon source in a sulfidogenic fluidized-bed reactor for the treatment of synthetic acid mine drainage. <i>Minerals Engineering</i> , 2013, 48, 56-60.	4.3	41
24	Performance of nanofiltration and reverse osmosis membranes for arsenic removal from drinking water. <i>Desalination and Water Treatment</i> , 2016, 57, 20422-20429.	1.0	41
25	Sulfidogenic fluidized-bed treatment of metal-containing wastewater at low and high temperatures. <i>Biotechnology and Bioengineering</i> , 2007, 96, 1064-1072.	3.3	37
26	Electricity generation from young landfill leachate in a microbial fuel cell with a new electrode material. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 399-405.	3.4	37
27	Electricity generation from organic fraction of municipal solid wastes in tubular microbial fuel cell. <i>Separation and Purification Technology</i> , 2015, 156, 502-511.	7.9	37
28	Sulfidogenic fluidized-bed treatment of metal-containing wastewater at 8 and 65°C temperatures is limited by acetate oxidation. <i>Water Research</i> , 2007, 41, 2706-2714.	11.3	36
29	An integrated system development including PEM fuel cell/biogas purification during acidogenic biohydrogen production from dairy wastewater. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 17297-17303.	7.1	36
30	Iron oxidation and precipitation in a simulated heap leaching solution in a <i>Leptospirillum ferriphilum</i> dominated biofilm reactor. <i>Hydrometallurgy</i> , 2007, 88, 67-74.	4.3	34
31	Characterization of jarosites produced by chemical synthesis over a temperature gradient from 2 to 40°C. <i>International Journal of Mineral Processing</i> , 2010, 94, 121-128.	2.6	31
32	Bioelectricity production using a new electrode in a microbial fuel cell. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 1219-1227.	3.4	31
33	Bio-reduction of tetrachloroethene using a H ₂ -based membrane biofilm reactor and community fingerprinting. <i>Water Research</i> , 2014, 58, 21-28.	11.3	31
34	Anaerobic granular reactors for the treatment of dairy wastewater: A review. <i>International Journal of Dairy Technology</i> , 2015, 68, 459-470.	2.8	30
35	The development of catalytic performance by coating Pt-Ni on CMI7000 membrane as a cathode of a microbial fuel cell. <i>Bioresource Technology</i> , 2015, 195, 188-193.	9.6	29
36	Effect of leachate recirculation on refuse decomposition rates at landfill site: a case study. <i>International Journal of Environment and Pollution</i> , 2004, 21, 175.	0.2	28

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37	Kinetics of iron oxidation by <i>Leptospirillum ferriphilum</i> dominated culture at pH below one. <i>Biotechnology and Bioengineering</i> , 2007, 97, 1121-1127.	3.3	27
38	Process for biological oxidation and control of dissolved iron in bioleach liquors. <i>Process Biochemistry</i> , 2009, 44, 1315-1322.	3.7	27
39	Inhibition kinetics of iron oxidation by <i>Leptospirillum ferriphilum</i> in the presence of ferric, nickel and zinc ions. <i>Hydrometallurgy</i> , 2009, 97, 137-145.	4.3	25
40	Addressing the operational problems in a composting and recycling plant. <i>Waste Management</i> , 2006, 26, 1384-1391.	7.4	24
41	Statistical optimization of dilute acid pretreatment of lignocellulosic biomass by response surface methodology to obtain fermentable sugars for bioethanol production. <i>International Journal of Energy Research</i> , 2021, 45, 8882-8899.	4.5	22
42	Arsenic Removal from Drinking Water Using Low Pressure Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9958-9964.	3.7	21
43	Scale-Up and Commercialization Issues of the MFCs. , 2019, , 565-583.		19
44	Mathematical simulation and long-term monitoring of leachate components from two different landfill cells. <i>Journal of Hazardous Materials</i> , 2006, 135, 32-39.	12.4	17
45	Neural network prediction of thermophilic (65°C) sulfidogenic fluidized-bed reactor performance for the treatment of metal-containing wastewater. <i>Biotechnology and Bioengineering</i> , 2007, 97, 780-787.	3.3	17
46	Electricity Production and Characterization of High-Strength Industrial Wastewaters in Microbial Fuel Cell. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 468-481.	2.9	17
47	The impact of pretreatment and inoculum to substrate ratio on methane potential of organic wastes from various origins. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 800-809.	3.0	16
48	Effect of Green synthesized silver oxide nanoparticle on biological hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 19517-19525.	7.1	16
49	Biologically Fe ²⁺ oxidizing fluidized bed reactor performance and controlling of Fe ³⁺ recycle during heap bioleaching: an artificial neural network-based model. <i>Bioprocess and Biosystems Engineering</i> , 2008, 31, 111-117.	3.4	15
50	Combination of a novel electrode material and artificial mediators to enhance power generation in an MFC. <i>Water Science and Technology</i> , 2015, 71, 320-328.	2.5	15
51	Electricity generating capacity and performance deterioration of a microbial fuel cell fed with beer brewery wastewater. <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 672-678.	2.2	14
52	The production of electricity from dual-chambered microbial fuel cell fueled by old age leachate. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 1544-1552.	2.3	13
53	Investigation of Leachate Recirculation Effects in Istanbul Odayeri Sanitary Landfill. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 873-883.	1.7	12
54	Soluble substrate concentrations in leachate from field scale MSW test cells. <i>Journal of Hazardous Materials</i> , 2006, 134, 19-26.	12.4	12

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55	Case study on prediction of remaining methane potential of landfilled municipal solid waste by statistical analysis of waste composition data. <i>Waste Management</i> , 2016, 56, 310-317.	7.4	12
56	Electro/Fe ²⁺ /Persulfate Oxidation of Landfill Leachate Nanofiltration Concentrate Using MMO/TiO ₂ -Ti Anode: A Kinetic Study. <i>International Journal of Environmental Research</i> , 2021, 15, 959-969.	2.3	12
57	A multicriteria decision analysis for the evaluation of microalgal growth and harvesting. <i>Chemosphere</i> , 2021, 279, 130561.	8.2	12
58	Microbial Fuel Cells for Energy Recovery from Waste. <i>International Journal of Energy Science</i> , 2014, 4, 28.	0.6	12
59	Reuse of sea water reverse osmosis brine to produce <i>Dunaliella salina</i> based β -carotene as a valuable bioproduct: A circular bioeconomy perspective. <i>Journal of Environmental Management</i> , 2022, 302, 114024.	7.8	12
60	Comprehensive evaluation of two different inoculums in <i>MFC</i> with a new tin-coated copper mesh anode electrode for producing electricity from a cottonseed oil industry effluent. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 110-116.	2.3	11
61	The treatability of landfill leachate by direct contact membrane distillation and factors influencing the efficiency of the process. , 0, 71, 233-243.		11
62	Screening of biohydrogen production based on dark fermentation in the presence of nano-sized Fe ₂ O ₃ doped metal oxide additives. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 15383-15396.	7.1	11
63	Bioenergy production from cotton straws using different pretreatment methods. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 34720-34729.	7.1	10
64	Optimization of oxalic and sulphuric acid pretreatment conditions to produce bio-hydrogen from olive tree biomass. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 26316-26325.	7.1	10
65	Meteorological parameters as an important factor on the energy recovery of landfill gas in landfills. <i>Journal of Renewable and Sustainable Energy</i> , 2012, 4, 063135.	2.0	9
66	Usage of Ti-TiO ₂ ; Electrode in Microbial Fuel Cell to Enhance the Electricity Generation and its Biocompatibility. <i>Applied Mechanics and Materials</i> , 0, 404, 371-376.	0.2	9
67	Novel design of a multitube microbial fuel cell (UM ₂ FC) for energy recovery and treatment of membrane concentrates. <i>Biomass and Bioenergy</i> , 2014, 69, 58-65.	5.7	9
68	Preparation and characterisation of novel polysulfone membranes modified with Pluronic F-127 for reducing microalgal fouling. <i>Chemical Papers</i> , 2017, 71, 1271-1290.	2.2	9
69	Predictive modelling of Fe(III) precipitation in iron removal process for bioleaching circuits. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 449-456.	3.4	8
70	Kinetics and modelling of thiosulphate biotransformations by haloalkaliphilic Thioalkalivibrio versutus. <i>Chemical Engineering Journal</i> , 2020, 401, 126047.	12.7	8
71	Anaerobic treatment of ozonated membrane concentrate. <i>Desalination and Water Treatment</i> , 2015, 54, 2075-2081.	1.0	7
72	Combined in situ electrochemical impedance spectroscopy-UV/Vis and AFM studies of Ag nanoparticle stability in perfluorinated films. <i>Materials Chemistry and Physics</i> , 2012, 134, 302-308.	4.0	6

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73	Optimization of liquid fertilizer production from waste seaweed: A design of experiment based statistical approach. <i>Chemosphere</i> , 2022, 286, 131885.	8.2	6
74	Electro-activated Persulfate Oxidation of Biodiesel Wastewater Following Acidification Phase: Optimization of Process Parameters Using Box-Behnken Design. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	6
75	Optimization of enzymatic hydrolysis conditions of chemical pretreated cotton stalk using response surface methodology for enhanced bioethanol production yield. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 6623-6634.	4.6	5
76	Biomethane production kinetics of rumen pretreated lignocellulosic wastes. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 2941-2954.	4.1	5
77	BMP estimation of landfilled municipal solid waste by multivariate statistical methods using specific waste parameters: case study of a sanitary landfill in Turkey. <i>Journal of Material Cycles and Waste Management</i> , 2017, 19, 1479-1487.	3.0	4
78	The Electromotive-Induced Regulation of Anaerobic Fermentation. , 2019, , 739-756.		4
79	Recent advances in the pretreatment of lignocellulosic biomass for enhanced biofuel production. <i>International Journal of Global Warming</i> , 2020, 22, 342.	0.5	4
80	TREATMENT OF COMPOST LEACHATE BY MEMBRANE PROCESSES. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 2237-2241.	0.6	4
81	Determination of photoautotrophic growth and inhibition kinetics by the Monod and the Aiba models and bioenergetics of local microalgae strain. <i>Chemosphere</i> , 2022, 292, 133330.	8.2	4
82	Evaluation of the biogas potential of mucilage formed in the Marmara Sea. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 15456-15463.	7.1	4
83	Enhanced stabilisation and methane potential of MSWs in a field-scale landfill with leachate recirculation. <i>International Journal of Environment and Pollution</i> , 2004, 21, 277.	0.2	3
84	Post-treatment of anaerobically treated medium-scale landfill leachate. <i>Environmental Progress and Sustainable Energy</i> , 2010, 29, 78-84.	2.3	3
85	Kinetics of aerobic and anaerobic biomineralization of atrazine in surface and subsurface agricultural soils in Ohio. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2015, 50, 718-726.	1.5	3
86	High-rate sulphidogenic fluidised-bed treatment of metal-containing wastewater at high temperature. <i>Water Science and Technology</i> , 2007, 55, 269-275.	2.5	2
87	Change of surface and structure properties of cation exchange membrane in a microbial fuel cell. <i>International Journal of Global Warming</i> , 2014, 6, 222.	0.5	2
88	Simultaneous production of bioelectricity and treatment of membrane concentrate in multitube microbial fuel cell. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 594-600.	2.2	2
89	Molecular weight distributions in cotton-dyeing textile wastewaters. <i>Desalination and Water Treatment</i> , 2016, 57, 12684-12691.	1.0	2
90	High-Rate Fluidized-Bed Ferric Sulfate Generation for Hydrometallurgical Applications. <i>Advanced Materials Research</i> , 2007, 20-21, 54-57.	0.3	1

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91	Comparison of microbial community structure in a biological nutrient removal process at various stages of operation. <i>Desalination and Water Treatment</i> , 2016, 57, 23675-23685.	1.0	1
92	Investigation of microbial communities in the field-scale co-composting of sewage sludge and organic municipal solid wastes. <i>International Journal of Global Warming</i> , 2019, 19, 177.	0.5	1
93	Microbial fuel cell-based biosensor for toxicity testing of Cr ⁶⁺ . <i>International Journal of Global Warming</i> , 2019, 17, 347.	0.5	1
94	Kinetic-based extrapolating of methane production potential for seaweed/food waste matrixes. <i>International Journal of Global Warming</i> , 2020, 21, 86.	0.5	1
95	Comparison of treatment efficiency and molecular weight distribution of membrane concentrate from textile wastewater. <i>Global Nest Journal</i> , 2016, 18, 348-359.	0.1	1
96	Determination of Microbial Community in a Pilot Scale Two-Stage Step-Feed Biological Nutrient Removal Process. <i>Global Nest Journal</i> , 2019, , .	0.1	1
97	Effect of Ozonation on Anaerobic Organic Removal from Membrane Concentrate. <i>Journal of Clean Energy Technologies</i> , 0, , 124-126.	0.1	1
98	Potential of biological sulphur recovery from thiosulphate by haloalkaliphilic Thioalkalivibrio denitrificans. <i>Environmental Technology (United Kingdom)</i> , 2021, , 1-13.	2.2	1
99	Post-treatment of anaerobically-treated compost leachate by membrane systems: emphasis on molecular weight distribution. , 0, 93, 40-47.		1
100	Treatment processes based on the molecular weight distribution of textile dyeing wastewater. <i>Environmental Protection Engineering</i> , 2018, 44, .	0.1	1
101	Iron Oxidation and Bioleaching Potential at Low Temperatures. <i>Advanced Materials Research</i> , 2007, 20-21, 578-578.	0.3	0
102	Molecular weight distribution of pollutants in leachate from full scale landfill site. <i>Global Nest Journal</i> , 2016, 18, 360-370.	0.1	0
103	Kinetic-based extrapolating of methane production potential for seaweed/food waste matrixes. <i>International Journal of Global Warming</i> , 2020, 21, 86.	0.5	0