

Halis Simsek

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,139
citations

471061

17
h-index

414034

32
g-index

41
all docs

41
docs citations

41
times ranked

1156
citing authors

#	ARTICLE	IF	CITATIONS
1	Olive oil mill wastewater treatment by means of electro-coagulation. Separation and Purification Technology, 2004, 36, 23-31.	3.9	289
2	Bioavailable and biodegradable dissolved organic nitrogen in activated sludge and trickling filter wastewater treatment plants. Water Research, 2013, 47, 3201-3210.	5.3	77
3	Growth regime and environmental remediation of microalgae. Algae, 2016, 31, 189-204.	0.9	65
4	Treatment of canola-oil refinery effluent using electrochemical methods: A comparison between combined electrocoagulation+ electrooxidation and electrochemical peroxidation methods. Chemosphere, 2019, 221, 630-639.	4.2	61
5	Microalgae-based removal of pollutants from wastewaters: Occurrence, toxicity and circular economy. Chemosphere, 2022, 306, 135576.	4.2	55
6	Sugar beet industry process wastewater treatment using electrochemical methods and optimization of parameters using response surface methodology. Chemosphere, 2020, 238, 124669.	4.2	54
7	Current trends and prospects in microalgae-based bioenergy production. Journal of Environmental Chemical Engineering, 2020, 8, 104025.	3.3	54
8	Fate of dissolved organic nitrogen in two stage trickling filter process. Water Research, 2012, 46, 5115-5126.	5.3	49
9	Electrochemical treatment of sunflower oil refinery wastewater and optimization of the parameters using response surface methodology. Chemosphere, 2020, 249, 126511.	4.2	42
10	Hyperspectral imaging techniques for rapid detection of nutrient content of hydroponically grown lettuce cultivars. Computers and Electronics in Agriculture, 2021, 181, 105968.	3.7	42
11	Impact of solids retention time on dissolved organic nitrogen and its biodegradability in treated wastewater. Water Research, 2016, 92, 44-51.	5.3	39
12	Algae in wastewater treatment, mechanism, and application of biomass for production of value-added product. Environmental Pollution, 2022, 309, 119688.	3.7	39
13	Enzymatic pretreatment of algal biomass has different optimal conditions for biogas and bioethanol routes. Chemosphere, 2021, 284, 131264.	4.2	28
14	Overlapping Photodegradable and Biodegradable Organic Nitrogen in Wastewater Effluents. Environmental Science & Technology, 2013, 47, 7163-7170.	4.6	27
15	Bioavailability of wastewater derived dissolved organic nitrogen to green microalgae <i>Selenastrum capricornutum</i> , <i>Chlamydomonas reinhardtii</i> , and <i>Chlorella vulgaris</i> with/without presence of bacteria. Journal of Environmental Sciences, 2017, 57, 346-355.	3.2	22
16	QUANTIFYING IMPACT OF DROUGHTS ON BARLEY YIELD IN NORTH DAKOTA, USA USING MULTIPLE LINEAR REGRESSION AND ARTIFICIAL NEURAL NETWORK. Neural Network World, 2014, 24, 343-355.	0.5	20
17	Multilayer Perceptron Neural Network Approach to Estimate Chlorophyll Concentration Index of Lettuce (<i>Lactuca sativa</i> L.). Communications in Soil Science and Plant Analysis, 2017, 48, 162-169.	0.6	19
18	Dissolved organic nitrogen and its biodegradable portion in a water treatment plant with ozone oxidation. Water Research, 2014, 54, 318-326.	5.3	18

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19	Bioavailability of dissolved organic nitrogen (DON) in wastewaters from animal feedlots and storage lagoons. <i>Chemosphere</i> , 2017, 186, 695-701.	4.2	18
20	Effect of Water Table Depth on Soybean Water Use, Growth, and Yield Parameters. <i>Water (Switzerland)</i> , 2019, 11, 931.	1.2	18
21	Removal of aqueous cyanide with strongly basic ion-exchange resin. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 1612-1622.	1.2	15
22	Groundwater Table Effects on the Yield, Growth, and Water Use of Canola (<i>Brassica napus</i> L.) Plant. <i>Water (Switzerland)</i> , 2019, 11, 1730.	1.2	14
23	Computational Fluid Dynamics Modeling of a Broiler House Microclimate in Summer and Winter. <i>Animals</i> , 2022, 12, 867.	1.0	10
24	Mathematical modeling of wastewater-derived biodegradable dissolved organic nitrogen. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2879-2889.	1.2	9
25	Impact of operations and cleaning on membrane fouling at a wastewater reclamation facility. <i>Journal of Environmental Management</i> , 2017, 193, 326-333.	3.8	9
26	Identification, quantification, and growth profiling of eight different microalgae species using image analysis. <i>Algal Research</i> , 2021, 60, 102487.	2.4	8
27	Deep Learning Models to Determine Nutrient Concentration in Hydroponically Grown Lettuce Cultivars (<i>Lactuca sativa</i> L.). <i>Sustainability</i> , 2022, 14, 416.	1.6	8
28	Algae- and bacteria-driven technologies for pharmaceutical remediation in wastewater. , 2020, , 373-408.		7
29	Enricher reactor “ Permeable reactive biobarrier approach for removing a mixture of contaminants with substrate interactions. <i>Bioresource Technology</i> , 2013, 146, 336-344.	4.8	6
30	Comparative analysis of machine learning techniques for estimating groundwater deuterium and oxygen-18 isotopes. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 4271-4285.	1.9	4
31	Mixed cultured algal and bacterial remediation of dissolved organic nitrogen under low solid retention time condition. , 0, 103, 240-247.		3
32	Remediation of Domestic Wastewater Using Algal-Bacterial Biotechnology. , 2019, , 269-289.		2
33	ESTIMATION OF NUTRIENT CONCENTRATIONS IN RUNOFF FROM BEEF CATTLE FEEDLOT USING ADAPTIVE NEURO-FUZZY INFERENCE SYSTEMS. <i>Neural Network World</i> , 2015, 25, 501-518.	0.5	2
34	Total Nitrogen Removal by Reverse Osmosis: Role of Biodegradable Dissolved Organic Nitrogen. <i>Proceedings of the Water Environment Federation</i> , 2013, 2013, 242-256.	0.0	1
35	The physical and chemical characteristics of vineyard soils and its heavy metal content in semi-arid environments. <i>African Journal of Agricultural Research Vol Pp</i> , 2014, 9, 465-472.	0.2	1
36	Modeling a Two-Stage Trickling Filter Wastewater Treatment Plant to Simulate the Fate of Dissolved Organic Nitrogen and Its Biodegradability. <i>Proceedings of the Water Environment Federation</i> , 2011, 2011, 6638-6654.	0.0	0

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37	Solids Retention Time as a Control Parameter for Organic Nitrogen. Proceedings of the Water Environment Federation, 2015, 2015, 2839-2854.	0.0	0
38	Evaluation of bioavailable dissolved organic nitrogen in municipal wastewater using green algae <i>Chlamydomonas reinhardtii</i> and <i>Chlorella vulgaris</i> . Proceedings of the Water Environment Federation, 2015, 2015, 5673-5686.	0.0	0
39	Wastewater Derived Dissolved Organic Nitrogen Removal using Integrated System of Biological Reactors and UV light Irradiation. Proceedings of the Water Environment Federation, 2016, 2016, 4958-4968.	0.0	0
40	The Economic and Environmental Impact of Greenhouse Heating Pipe Insulation. Sustainability, 2022, 14, 549.	1.6	0