Guleda Onkal Engin

List of Publications by Year
in descending order

69 papers	1,747 citations	331259 21 h-index	288905 40 g-index
70 all docs	70 docs citations	70 times ranked	2061 citing authors

#	Article	IF	Citations
1	Atrazine: From Detection to Remediation â€" A Minireview. Analytical Letters, 2022, 55, 411-426.	1.0	3
2	Trace level determination of eleven nervous systemâ€"active pharmaceutical ingredients by switchable solvent-based liquid-phase microextraction and gas chromatographyâ€"mass spectrometry with matrix matching calibration strategy. Environmental Monitoring and Assessment, 2022, 194, 58.	1.3	6
3	Decolorization of textile wastewater by electrooxidation process using different anode materials: Statistical optimization. Water Environment Research, 2022, 94, e1683.	1.3	0
4	Polystyreneâ€Coated Magnetite Nanoparticles Based Dispersive Microâ€Solid Phase Extraction of Active Pharmaceutical Ingredients of Antidepressant Drugs and Determination by GCâ€MS. ChemistrySelect, 2022, 7, .	0.7	5
5	Removal of selected pesticides, alkylphenols, hormones and bisphenol A from domestic wastewater by electrooxidation process. Water Science and Technology, 2022, 85, 220-228.	1.2	2
6	Performance evaluation of ceramic membrane bioreactor: effect of operational parameters on micropollutant removal and membrane fouling. Environmental Science and Pollution Research, 2022, 29, 68306-68319.	2.7	3
7	Dispersive Liquid-Liquid Microextraction Based Preconcentration of Selected Pesticides and Escitalopram Oxalate, Haloperidol, and Olanzapine from Wastewater Samples Prior to Determination by GC-MS. Journal of AOAC INTERNATIONAL, 2021, 104, 91-97.	0.7	4
8	Microplastics in wastewater treatment plants: Occurrence, fate and identification. Chemical Engineering Research and Design, 2021, 146, 77-84.	2.7	82
9	Highlighting the cathodic contribution of an electrooxidation pretreatment study on waste activated sludge disintegration. Environmental Progress and Sustainable Energy, 2021, 40, e13620.	1.3	2
10	Accurate Quantification of Nervous System Drugs in Aqueous Samples at Trace Levels by Binary Solvent Dispersive Liquidâ€"Liquid Microextractionâ€Gas Chromatography Mass Spectrometry. Environmental Toxicology and Chemistry, 2021, 40, 1570-1575.	2.2	6
11	Highlighting the cathodic contribution of an electrooxidation post-treatment study on decolorization of textile wastewater effluent pre-treated with a lab-scale moving bed-membrane bioreactor. Environmental Science and Pollution Research, 2021, 28, 25972-25983.	2.7	7
12	Current status of studies on microplastics in the world's marine environments. Journal of Cleaner Production, 2021, 327, 129394.	4.6	13
13	Preliminary study testing the effects of tea and coffee on sludge characteristics and N-butyryl-l-homoserine lactone in an MBR system. Environmental Technology (United Kingdom), 2020, 41, 2085-2095.	1.2	3
14	Optimization of atrazine removal from synthetic groundwater by electrooxidation process using titanium dioxide and graphite electrodes. Separation Science and Technology, 2020, 55, 3036-3045.	1.3	11
15	Performance evaluation of conventional membrane bioreactor and moving bed membrane bioreactor for synthetic textile wastewater treatment. Journal of Water Process Engineering, 2020, 38, 101631.	2.6	20
16	Removal of Selected Micropollutants from Synthetic Wastewater by Electrooxidation Using Oxidized Titanium and Graphite Electrodes. Clean - Soil, Air, Water, 2020, 48, 1900378.	0.7	8
17	Dispersive liquid-liquid microextraction based preconcentration of selected pesticides and escitalopram oxalate, haloperidol and olanzapine from wastewater samples prior to determination by GC-MS. Journal of AOAC INTERNATIONAL, 2020, , .	0.7	0
18	Development of a sensitive and accurate method for the simultaneous determination of selected insecticides and herbicide in tap water and wastewater samples using vortex-assisted switchable solvent-based liquid-phase microextraction prior to determination by gas chromatography-mass spectrometry. Environmental Monitoring and Assessment, 2020, 192, 275.	1.3	12

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19	A comparative study of waste activated sludge disintegration by electrochemical pretreatment process combined with hydroxyl and sulfate radical based oxidants. Journal of Environmental Chemical Engineering, 2020, 8, 103918.	3.3	11
20	Feasibility Studies on the Effect of Natural Plant Compounds on Sludge Characteristics in a Batch-Type Aerobic Reactor and N-butyryl-L Homoserine Lactone. Analytical Letters, 2020, 53, 2431-2444.	1.0	3
21	Modeling and optimizing Fenton and electro-Fenton processes for dairy wastewater treatment using response surface methodology. International Journal of Environmental Science and Technology, 2019, 16, 2343-2358.	1.8	20
22	Binary Dispersive Liquid-Liquid Microextraction Strategy for Accurate and Precise Determination of Micropollutants in Lake, Well and Wastewater Matrices. Bulletin of Environmental Contamination and Toxicology, 2019, 103, 841-847.	1.3	0
23	Nanoparticles in the aquatic environment: Usage, properties, transformation and toxicity—A review. Chemical Engineering Research and Design, 2019, 130, 238-249.	2.7	186
24	Determination of micropollutants in wastewater matrix using gas chromatography—mass spectrometry after optimization of dispersive liquid—liquid microextraction. International Journal of Environmental Science and Technology, 2019, 16, 7285-7292.	1.8	4
25	Simultaneous Determination of Fluoxetine, Estrone, Pesticides, and Endocrine Disruptors in Wastewater by Gas Chromatography—Mass Spectrometry (GC—MS) Following Switchable Solvent—Liquid Phase Microextraction (SS—LPME). Analytical Letters, 2019, 52, 869-878.	1.0	28
26	Ultrasound-assisted dispersive solid phase extraction based on Fe_3O_4/reduced graphene oxide nanocomposites for the determination of 4-tert octylphenol and atrazine by gas chromatography—mass spectrometry. Microchemical Journal, 2019, 146, 423-428.	2.3	36
27	Performance and activated sludge characteristics at short solid retention time in a submerged MBR: effects of C/N ratio of wastewater. Environmental Technology (United Kingdom), 2019, 40, 2085-2092.	1.2	8
28	Application of submerged membrane bioreactor technology for the treatment of high strength dairy wastewater. Brazilian Journal of Chemical Engineering, 2018, 35, 91-100.	0.7	18
29	Membrane Bioreactors for Wastewater Treatment. Comprehensive Analytical Chemistry, 2018, 81, 151-200.	0.7	26
30	Quorum Quenching. Comprehensive Analytical Chemistry, 2018, 81, 117-149.	0.7	11
31	The investigation of shale gas wastewater treatment by electro-Fenton process: Statistical optimization of operational parameters. Chemical Engineering Research and Design, 2017, 109, 203-213.	2.7	32
32	Hazardous wastes and waste generation factors for plastic products manufacturing industries in Turkey. Sustainable Environment Research, 2017, 27, 188-194.	2.1	18
33	Activated sludge properties in a submerged membrane bioreactor: effect of COD/TKN ratio of wastewater. International Journal of Environmental Science and Technology, 2017, 14, 933-942.	1.8	10
34	The investigation of paper mill industry wastewater treatment and activated sludge properties in a submerged membrane bioreactor. Water Science and Technology, 2017, 76, 1715-1725.	1.2	20
35	Quorum sensing: Little talks for an effective bacterial coordination. TrAC - Trends in Analytical Chemistry, 2017, 91, 1-11.	5.8	88
36	Optimization of paper mill industry wastewater treatment by electrocoagulation and electro-Fenton processes using response surface methodology. Water Science and Technology, 2017, 76, 2015-2031.	1.2	39

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37	Effect of carbon to nitrogen ratio of feed wastewater and sludge retention time on activated sludge in a submerged membrane bioreactor. Environmental Science and Pollution Research, 2016, 23, 10742-10752.	2.7	15
38	Is climate change a threat for water uses in the Mediterranean region? Results from a survey at local scale. Science of the Total Environment, 2016, 543, 981-996.	3.9	51
39	Statistical optimization of process parameters for tannery wastewater treatment by electrocoagulation and electro-Fenton techniques. Desalination and Water Treatment, 2016, 57, 25460-25473.	1.0	26
40	Development of a sensitive liquid–liquid extraction method for the determination of N-butyryl-l-homoserine lactone produced in a submerged membrane bioreactor by gas chromatography mass spectrometry and deuterated anthracene as the internal standard. Analytical Methods, 2016, 8, 2660-2665.	1.3	22
41	Strength and durability characterization of pelletized coal–biomass household briquettes. International Journal of Green Energy, 2016, 13, 132-137.	2.1	1
42	Game theory and fuzzy programming approaches for bi-objective optimization of reservoir watershed management: a case study in Namazgah reservoir. Environmental Science and Pollution Research, 2015, 22, 6546-6558.	2.7	27
43	Cost analysis of seawater desalination using an integrated reverse osmosis system on a cruise ship. Global Nest Journal, 2015, 17, 389-396.	0.3	6
44	The effect of shock loading on the performance of a thermophilic anaerobic contact reactor at constant organic loading rate. Journal of Environmental Health Science & Engineering, 2014, 12, 84.	1.4	5
45	Modelling total phosphorus input pathways in the Porsuk reservoir catchment in Turkey. Environmental Earth Sciences, 2014, 72, 5019-5034.	1.3	3
46	The effect of transient loading on the performance of a mesophilic anaerobic contact reactor at constant feed strength. Journal of Biotechnology, 2013, 164, 232-237.	1.9	24
47	Dynamic biosorption characteristics and mechanisms of dried activated sludge and *Spirulina platensis* for the removal of Cu^{2+} ions from aqueous solutions. Desalination and Water Treatment, 2012, 47, 310-321.	1.0	4
48	Reuse feasibility of pre-treated grey water and domestic wastewater with a compact household reverse osmosis system. Desalination and Water Treatment, 2011, 29, 103-109.	1.0	6
49	Treatment efficiency and VFA composition of a thermophilic anaerobic contact reactor treating food industry wastewater. Journal of Hazardous Materials, 2010, 176, 843-848.	6.5	55
50	Kinetic evaluation and performance of a mesophilic anaerobic contact reactor treating medium-strength food-processing wastewater. Bioresource Technology, 2010, 101, 3970-3977.	4.8	56
51	Further treatment of landfill leachate by nanofiltration and microfiltration–PAC hybrid process. Desalination, 2010, 255, 52-60.	4.0	67
52	Evaluation of a fast wastewater odour characterisation procedure using a chemical sensor array. Environmental Monitoring and Assessment, 2009, 151, 369-375.	1.3	15
53	Modeling leaching behavior of solidified wastes using back-propagation neural networks. Ecotoxicology and Environmental Safety, 2009, 72, 843-850.	2.9	33
54	Nanoplankton population dynamics and dissolved oxygen change across the bay of Izmir by neural networks. Journal of Environmental Monitoring, 2009, 11, 1165.	2.1	2

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55	Respirometric kinetic parameter calculations of a batch jet loop bioreactor treating leachate and oxygen uptake rate estimation by DTM. Journal of Hazardous Materials, 2008, 153, 991-998.	6.5	9
56	Autotrophic Removal of Sulphide from Industrial Wastewaters Using Oxygen and Nitrate as Electron Acceptors. Environmental Engineering Science, 2007, 24, 457-470.	0.8	21
57	Modeling and Parameter Identification of a Jet-loop Bioreactor. Proceedings of the American Control Conference, 2007, , .	0.0	4
58	Cost analysis of alternative methods for wastewater handling in small communities. Journal of Environmental Management, 2006, 79, 357-363.	3.8	74
59	Determination of the relationship between sewage odour and BOD by neural networks. Environmental Modelling and Software, 2005, 20, 843-850.	1.9	94
60	e-NOSE Response Classification of Sewage Odors by Neural Networks and Fuzzy Clustering. Lecture Notes in Computer Science, 2005, , 648-651.	1.0	3
61	Assessment of urban air quality in Istanbul using fuzzy synthetic evaluation. Atmospheric Environment, 2004, 38, 3809-3815.	1.9	134
62	Humic Acid Uptake from Aqueous Media Using Hydrotalcites and Modified Montmorillonite. Environmental Technology (United Kingdom), 2000, 21, 167-175.	1.2	18
63	Simulation of the Errors in Equilibrium Correlations Using the Langmuir and BET Isotherms. Separation Science and Technology, 2000, 35, 367-377.	1.3	0
64	Characterisation of wastewater using an electronic nose. Water Research, 1999, 33, 442-452.	5.3	78
65	Assessment of odours from sewage treatment works by an electronic nose, H2S analysis and olfactometry. Water Research, 1999, 33, 453-461.	5.3	126
66	Sewage odour measurements using a sensory panel and an electronic nose. Water Science and Technology, 1998, 38, 331.	1.2	20
67	Removal of twelve endocrine disrupting compounds from wastewater using two laboratory-scale batch-type bioreactors. International Journal of Environmental Science and Technology, 0, , 1.	1.8	0
68	Wastewater treatment from shale gas operation by Fenton process: a statistical optimization. , 0, 70, 125-133.		2
69	The investigation of chemical coagulation and electrocoagulation processes for tannery wastewater treatment using response surface methodology. , 0, 113, 57-73.		1