

Guleda Onkal Engin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4235319/publications.pdf>

Version: 2024-02-01

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	Nanoparticles in the aquatic environment: Usage, properties, transformation and toxicityâ€”A review. <i>Chemical Engineering Research and Design</i> , 2019, 130, 238-249.	2.7	186
2	Assessment of urban air quality in Istanbul using fuzzy synthetic evaluation. <i>Atmospheric Environment</i> , 2004, 38, 3809-3815.	1.9	134
3	Assessment of odours from sewage treatment works by an electronic nose, H ₂ S analysis and olfactometry. <i>Water Research</i> , 1999, 33, 453-461.	5.3	126
4	Determination of the relationship between sewage odour and BOD by neural networks. <i>Environmental Modelling and Software</i> , 2005, 20, 843-850.	1.9	94
5	Quorum sensing: Little talks for an effective bacterial coordination. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 91, 1-11.	5.8	88
6	Microplastics in wastewater treatment plants: Occurrence, fate and identification. <i>Chemical Engineering Research and Design</i> , 2021, 146, 77-84.	2.7	82
7	Characterisation of wastewater using an electronic nose. <i>Water Research</i> , 1999, 33, 442-452.	5.3	78
8	Cost analysis of alternative methods for wastewater handling in small communities. <i>Journal of Environmental Management</i> , 2006, 79, 357-363.	3.8	74
9	Further treatment of landfill leachate by nanofiltration and microfiltrationâ€”PAC hybrid process. <i>Desalination</i> , 2010, 255, 52-60.	4.0	67
10	Kinetic evaluation and performance of a mesophilic anaerobic contact reactor treating medium-strength food-processing wastewater. <i>Bioresource Technology</i> , 2010, 101, 3970-3977.	4.8	56
11	Treatment efficiency and VFA composition of a thermophilic anaerobic contact reactor treating food industry wastewater. <i>Journal of Hazardous Materials</i> , 2010, 176, 843-848.	6.5	55
12	Is climate change a threat for water uses in the Mediterranean region? Results from a survey at local scale. <i>Science of the Total Environment</i> , 2016, 543, 981-996.	3.9	51
13	Optimization of paper mill industry wastewater treatment by electrocoagulation and electro-Fenton processes using response surface methodology. <i>Water Science and Technology</i> , 2017, 76, 2015-2031.	1.2	39
14	Ultrasound-assisted dispersive solid phase extraction based on Fe ₃ O ₄ /reduced graphene oxide nanocomposites for the determination of 4-tert octylphenol and atrazine by gas chromatographyâ€”mass spectrometry. <i>Microchemical Journal</i> , 2019, 146, 423-428.	2.3	36
15	Modeling leaching behavior of solidified wastes using back-propagation neural networks. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 843-850.	2.9	33
16	The investigation of shale gas wastewater treatment by electro-Fenton process: Statistical optimization of operational parameters. <i>Chemical Engineering Research and Design</i> , 2017, 109, 203-213.	2.7	32
17	Simultaneous Determination of Fluoxetine, Estrone, Pesticides, and Endocrine Disruptors in Wastewater by Gas Chromatographyâ€”Mass Spectrometry (GCâ€”MS) Following Switchable Solventâ€”Liquid Phase Microextraction (SSâ€”LPME). <i>Analytical Letters</i> , 2019, 52, 869-878.	1.0	28
18	Game theory and fuzzy programming approaches for bi-objective optimization of reservoir watershed management: a case study in Namazgah reservoir. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6546-6558.	2.7	27

#	ARTICLE	IF	CITATIONS
19	Statistical optimization of process parameters for tannery wastewater treatment by electrocoagulation and electro-Fenton techniques. <i>Desalination and Water Treatment</i> , 2016, 57, 25460-25473.	1.0	26
20	Membrane Bioreactors for Wastewater Treatment. <i>Comprehensive Analytical Chemistry</i> , 2018, 81, 151-200.	0.7	26
21	The effect of transient loading on the performance of a mesophilic anaerobic contact reactor at constant feed strength. <i>Journal of Biotechnology</i> , 2013, 164, 232-237.	1.9	24
22	Development of a sensitive liquid-liquid extraction method for the determination of N-butyl-homoserine lactone produced in a submerged membrane bioreactor by gas chromatography mass spectrometry and deuterated anthracene as the internal standard. <i>Analytical Methods</i> , 2016, 8, 2660-2665.	1.3	22
23	Autotrophic Removal of Sulphide from Industrial Wastewaters Using Oxygen and Nitrate as Electron Acceptors. <i>Environmental Engineering Science</i> , 2007, 24, 457-470.	0.8	21
24	Sewage odour measurements using a sensory panel and an electronic nose. <i>Water Science and Technology</i> , 1998, 38, 331.	1.2	20
25	The investigation of paper mill industry wastewater treatment and activated sludge properties in a submerged membrane bioreactor. <i>Water Science and Technology</i> , 2017, 76, 1715-1725.	1.2	20
26	Modeling and optimizing Fenton and electro-Fenton processes for dairy wastewater treatment using response surface methodology. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 2343-2358.	1.8	20
27	Performance evaluation of conventional membrane bioreactor and moving bed membrane bioreactor for synthetic textile wastewater treatment. <i>Journal of Water Process Engineering</i> , 2020, 38, 101631.	2.6	20
28	Humic Acid Uptake from Aqueous Media Using Hydrotalcites and Modified Montmorillonite. <i>Environmental Technology (United Kingdom)</i> , 2000, 21, 167-175.	1.2	18
29	Hazardous wastes and waste generation factors for plastic products manufacturing industries in Turkey. <i>Sustainable Environment Research</i> , 2017, 27, 188-194.	2.1	18
30	Application of submerged membrane bioreactor technology for the treatment of high strength dairy wastewater. <i>Brazilian Journal of Chemical Engineering</i> , 2018, 35, 91-100.	0.7	18
31	Evaluation of a fast wastewater odour characterisation procedure using a chemical sensor array. <i>Environmental Monitoring and Assessment</i> , 2009, 151, 369-375.	1.3	15
32	Effect of carbon to nitrogen ratio of feed wastewater and sludge retention time on activated sludge in a submerged membrane bioreactor. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10742-10752.	2.7	15
33	Current status of studies on microplastics in the world's marine environments. <i>Journal of Cleaner Production</i> , 2021, 327, 129394.	4.6	13
34	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. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 275.	1.3	12
35	Quorum Quenching. <i>Comprehensive Analytical Chemistry</i> , 2018, 81, 117-149.	0.7	11
36	Optimization of atrazine removal from synthetic groundwater by electrooxidation process using titanium dioxide and graphite electrodes. <i>Separation Science and Technology</i> , 2020, 55, 3036-3045.	1.3	11

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	Accurate Quantification of Nervous System Drugs in Aqueous Samples at Trace Levels by Binary Solvent Dispersive Liquid-Liquid Microextraction-Gas Chromatography Mass Spectrometry. Environmental Toxicology and Chemistry, 2021, 40, 1570-1575.	2.2	6
45	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
46	Trace level determination of eleven nervous system-active pharmaceutical ingredients by switchable solvent-based liquid-phase microextraction and gas chromatography-mass spectrometry with matrix matching calibration strategy. Environmental Monitoring and Assessment, 2022, 194, 58.	1.3	6
47	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
48	Polystyrene-Coated Magnetite Nanoparticles Based Dispersive Micro-Solid Phase Extraction of Active Pharmaceutical Ingredients of Antidepressant Drugs and Determination by GC-MS. ChemistrySelect, 2022, 7, .	0.7	5
49	Modeling and Parameter Identification of a Jet-loop Bioreactor. Proceedings of the American Control Conference, 2007, , .	0.0	4
50	Dynamic biosorption characteristics and mechanisms of dried activated sludge and <i>Spirulina platensis</i> for the removal of Cu^{2+} ions from aqueous solutions. Desalination and Water Treatment, 2012, 47, 310-321.	1.0	4
51	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
52	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
53	Modelling total phosphorus input pathways in the Porsuk reservoir catchment in Turkey. Environmental Earth Sciences, 2014, 72, 5019-5034.	1.3	3
54	Preliminary study testing the effects of tea and coffee on sludge characteristics and N-butryl-L-homoserine lactone in an MBR system. Environmental Technology (United Kingdom), 2020, 41, 2085-2095.	1.2	3

#	ARTICLE	IF	CITATIONS
55	Feasibility Studies on the Effect of Natural Plant Compounds on Sludge Characteristics in a Batch-Type Aerobic Reactor and N-butryl-L Homoserine Lactone. <i>Analytical Letters</i> , 2020, 53, 2431-2444.	1.0	3
56	Atrazine: From Detection to Remediation – A Minireview. <i>Analytical Letters</i> , 2022, 55, 411-426.	1.0	3
57	e-NOSE Response Classification of Sewage Odors by Neural Networks and Fuzzy Clustering. <i>Lecture Notes in Computer Science</i> , 2005, , 648-651.	1.0	3
58	Performance evaluation of ceramic membrane bioreactor: effect of operational parameters on micropollutant removal and membrane fouling. <i>Environmental Science and Pollution Research</i> , 2022, 29, 68306-68319.	2.7	3
59	Nanoplankton population dynamics and dissolved oxygen change across the bay of Izmir by neural networks. <i>Journal of Environmental Monitoring</i> , 2009, 11, 1165.	2.1	2
60	Highlighting the cathodic contribution of an electrooxidation pretreatment study on waste activated sludge disintegration. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, e13620.	1.3	2
61	Wastewater treatment from shale gas operation by Fenton process: a statistical optimization. , 0, 70, 125-133.		2
62	Removal of selected pesticides, alkylphenols, hormones and bisphenol A from domestic wastewater by electrooxidation process. <i>Water Science and Technology</i> , 2022, 85, 220-228.	1.2	2
63	Strength and durability characterization of pelletized coal–biomass household briquettes. <i>International Journal of Green Energy</i> , 2016, 13, 132-137.	2.1	1
64	The investigation of chemical coagulation and electrocoagulation processes for tannery wastewater treatment using response surface methodology. , 0, 113, 57-73.		1
65	Simulation of the Errors in Equilibrium Correlations Using the Langmuir and BET Isotherms. <i>Separation Science and Technology</i> , 2000, 35, 367-377.	1.3	0
66	Binary Dispersive Liquid-Liquid Microextraction Strategy for Accurate and Precise Determination of Micropollutants in Lake, Well and Wastewater Matrices. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019, 103, 841-847.	1.3	0
67	Dispersive liquid-liquid microextraction based preconcentration of selected pesticides and escitalopram oxalate, haloperidol and olanzapine from wastewater samples prior to determination by GC-MS. <i>Journal of AOAC INTERNATIONAL</i> , 2020, , .	0.7	0
68	Removal of twelve endocrine disrupting compounds from wastewater using two laboratory-scale batch-type bioreactors. <i>International Journal of Environmental Science and Technology</i> , 0, , 1.	1.8	0
69	Decolorization of textile wastewater by electrooxidation process using different anode materials: Statistical optimization. <i>Water Environment Research</i> , 2022, 94, e1683.	1.3	0